

Modul Pecutan Akhir Lukisan Kejuruteraan



cikguromie.net

Disusun oleh :
Cikguromie

Section A
Bahagian A

[32 marks]

[32 markah]

[Time suggested : 1 hour]

[Masa yang dicadangkan : 1 jam]

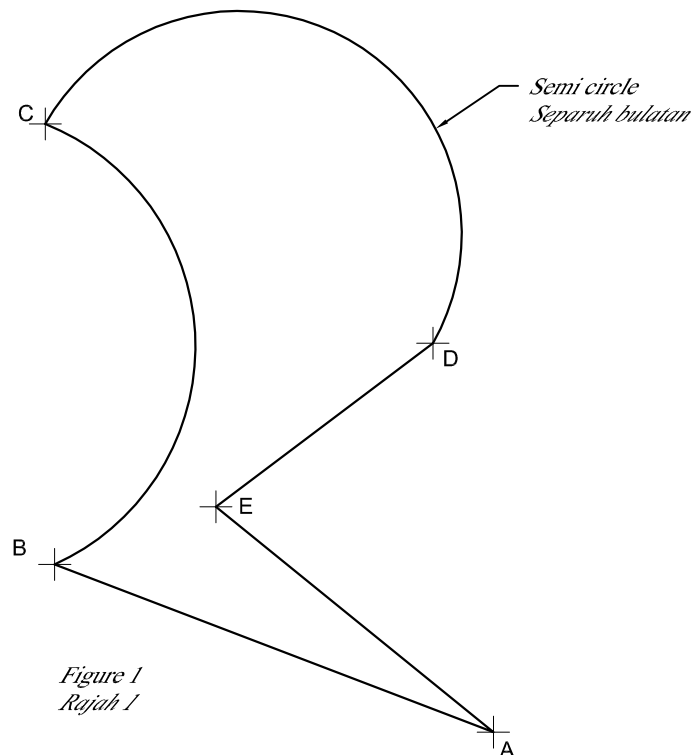
Answer **all** questions.Jawab **semua** soalan.

1. Redraw the template shown in Figure 1 using geometrical methods.
The new position of line AB is as shown.

Lukis semula pencontoh diberi dalam Rajah 1 mengikut kaedah geometri.
Kedudukan baru garisan AB adalah seperti ditunjukkan.

[5 marks]

[5 markah]



i	
ii	
iii	
iv	

NAMA :

TINGKATAN :

Bahagian A
Section A

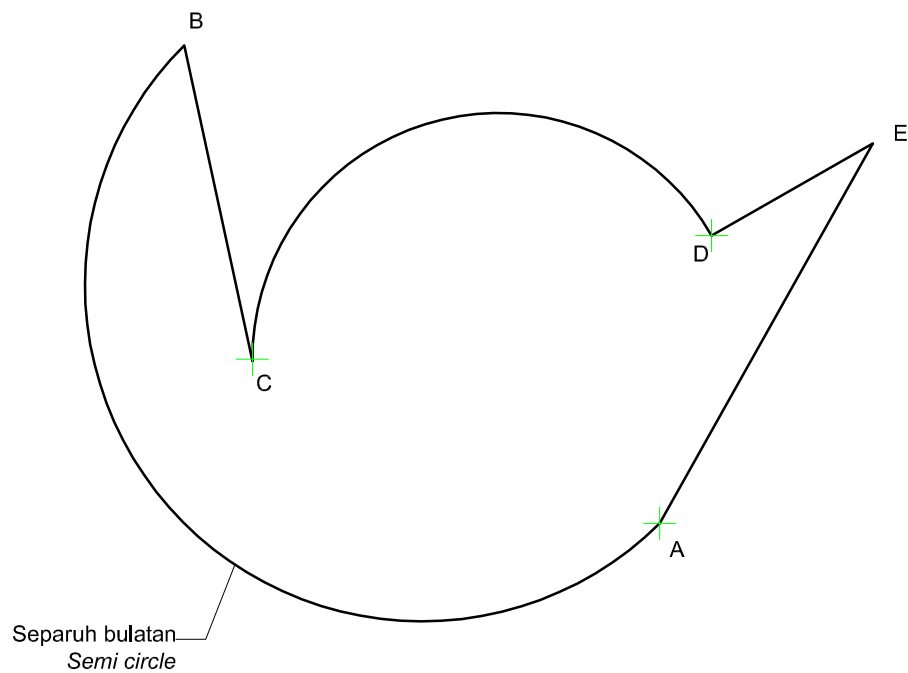


1. Rajah 1 menunjukkan pencontoh ABCDE.
Lukis semula pencontoh itu dengan menggunakan kaedah geometri.
Kedudukan baru garisan AE seperti ditunjukkan.

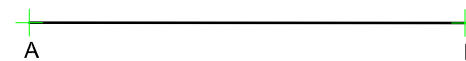
[5 markah]

1. Figure 1 shows a template ABCDE.
Redraw the template using geometrical method.
The new line of AE is as shown.

[5 marks]



Rajah 1
Figure 1



i	
ii	
iii	

NAMA:

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3759/1 LUKISAN KEJURUTERAAN



Section A
Bahagian A

Answer all questions
Jawab semua soalan

- 1 Redraw the template shown in Figure 1 using geometrical methods.
The new position of line CD is as shown.

[5 marks]

1. Lukiskan semula pencontoh yang ditunjukkan pada Rajah 1 dengan menggunakan kaedah geometri.
Kedudukan baru garisan CD seperti ditunjukkan.

[5 markah]

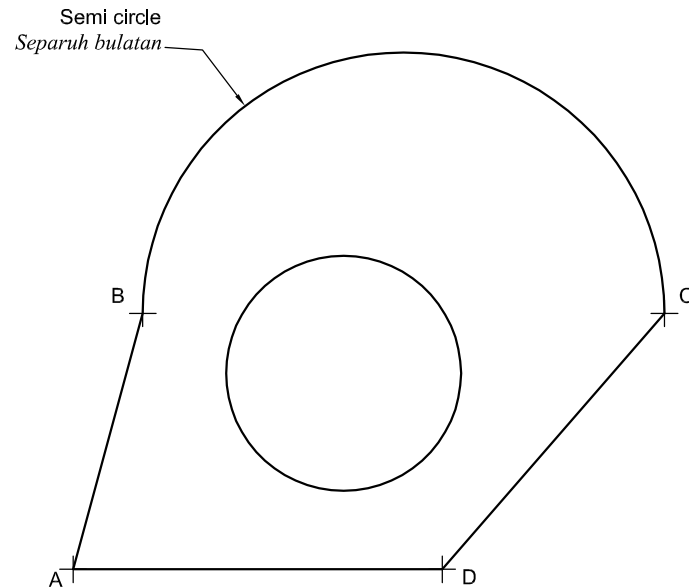
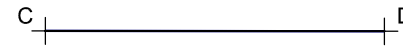


FIGURE 1
RAJAH 1



i	
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iii	
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NAMA :

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SECTION A
Answer all the questions

BAHAGIAN A
Jawab semua soalan



1. Redraw the template shown in Figure 1 using geometrical methods.
The new position of points A and B are given.

[5 marks]

1. Lukis semula pencontoh yang ditunjukkan dalam Rajah 1 dengan kaedah geometri .
Kedudukan baru titik A dan B seperti ditunjukkan.

[5 markah]

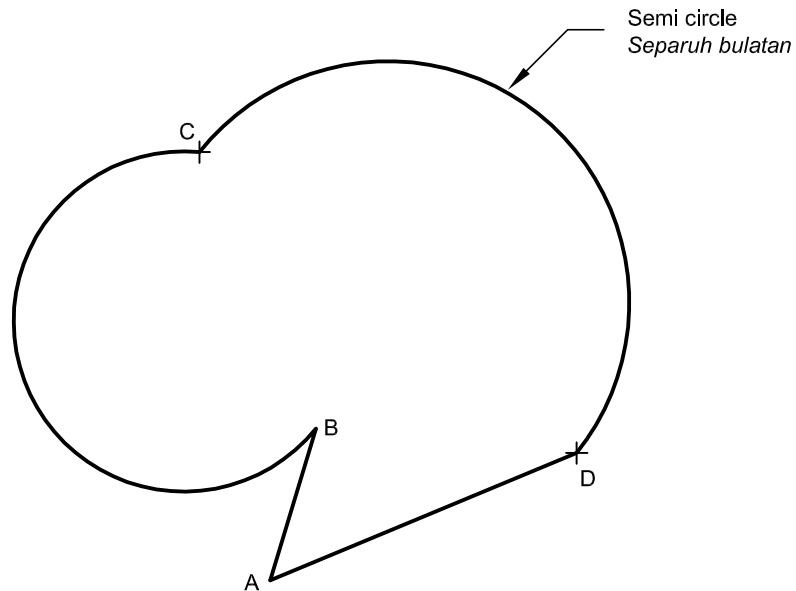


FIGURE 1
RAJAH 1



i	
ii	
iii	
iv	

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3759 / 1 ENGINEERING DRAWING

Answer **all** questions

1. Figure 1 shows a template ABCDE.
Redraw the template using geometrical methods.
The new position of line AB is as shown.

*Rajah 1 menunjukkan template ABCDE
Lukis semula template menggunakan kaedah geometri.
Kedudukan baru garis AB ditunjukkan.*

[5marks]

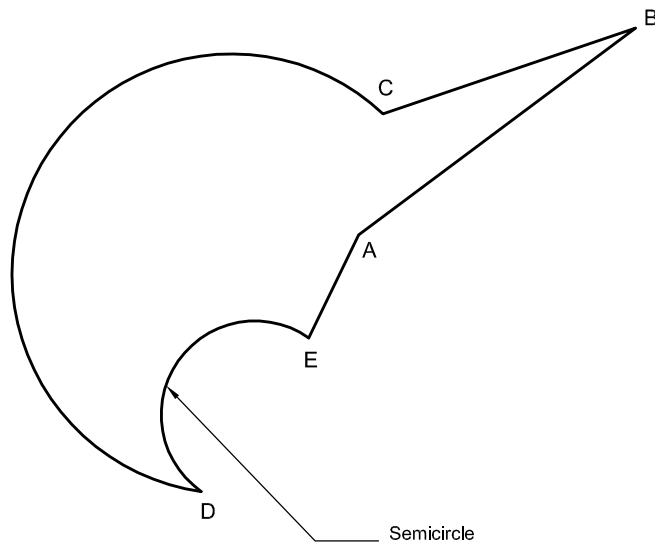
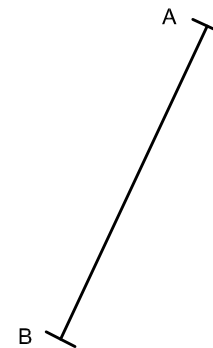


FIGURE 1



i	
ii	
iii	
iv	

NAMA :

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Section A

Bahagian AAnswer **all** questionsJawab **semua** soalan

1. Redraw the template show in Figure 1, using geometrical technique. The new line of AC is as shown.

[5 marks]

Lukis semula pencontoh pada Rajah 1 dengan kaedah geometri. Garisan baru AC adalah seperti ditunjukkan

[5 markah]

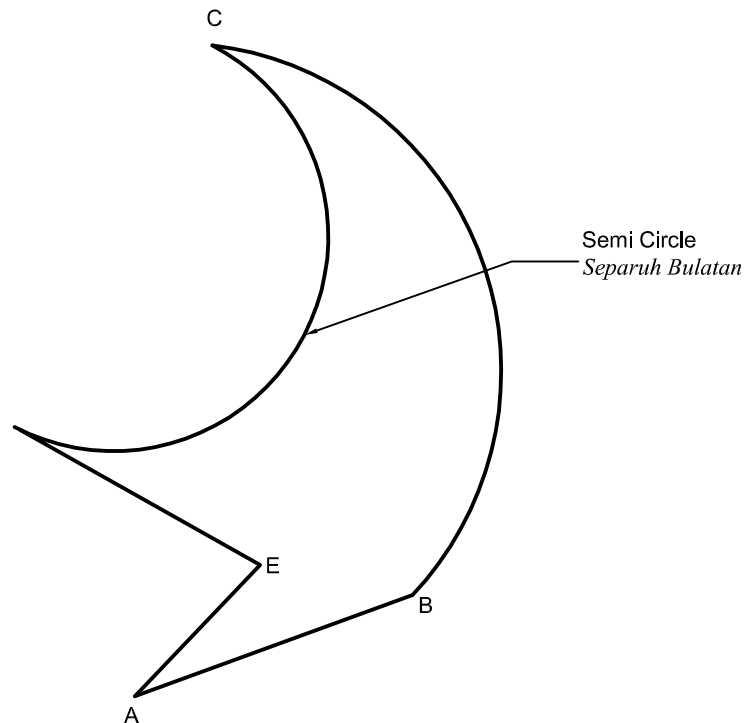


FIGURE 1
RAJAH 1

i	
ii	
iii	
iv	

Section A
Bahagian A

Answer **all** questions.
Jawab **semua** soalan.



1. Figure 1 shows a template ABC.
Redraw the template using geometrical methods.
The new position of points A and C are as shown.

1. *Rajah 1 menunjukkan pencontoh ABC.*
Lukis semula pencontoh itu menggunakan kaedah geometri.
Kedudukan baru titik A dan C seperti yang ditunjukkan.

[5 marks]
[5 markah]

Semi circle
Separuh bulatan

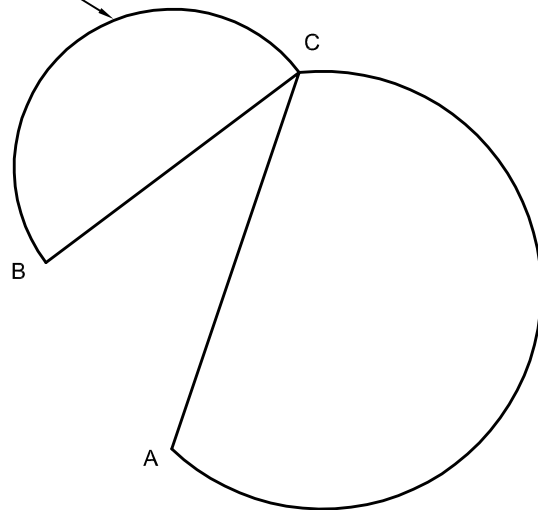


Figure 1
Rajah 1

A
+

C
+

i	
ii	
iii	

ANGKA GILIRAN :

NO. KAD PENGENALAN :

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[Lihat sebelah
SULIT

Section A
Bahagian A

[32 marks]
[32 markah]

[Time suggested : 1 hour }
[Masa yang dicadangkan : 1 jam]

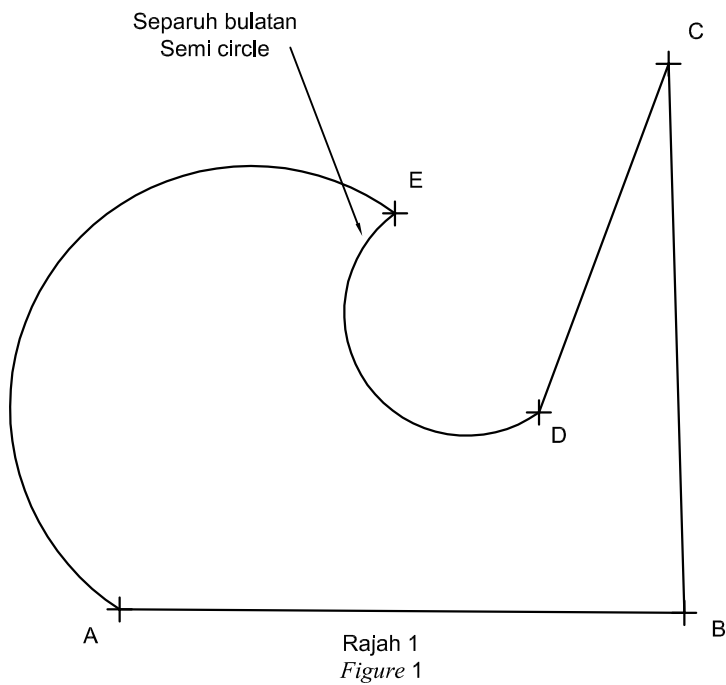
Answer **all** questions.
Jawab **semua** soalan



1. Lukiskan semula pencontoh pada Rajah 1 dengan kaedah geometri.
Kedudukan baru titik D dan E adalah diberi.

*Redraw the template shown in Figure 1, using geometrical techniques.
The new position of point D and E are given.*

[5 markah]
[5 marks]



i	
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KELAS:

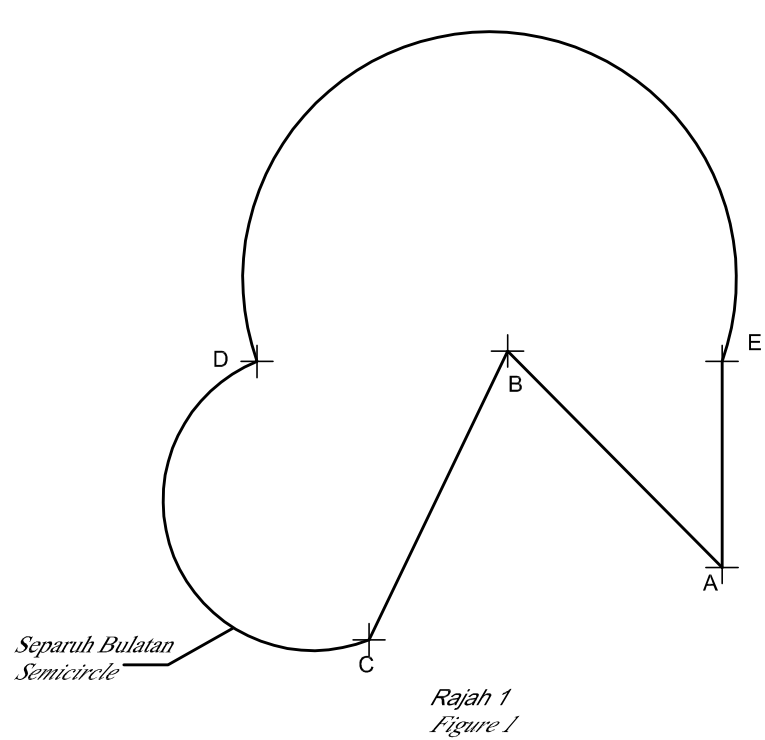
BAHAGIAN A
Section A

JAWAB SEMUA SOALAN
Answer All Question



1. Rajah 1 menunjukkan satu plat pencontoh ABCDE.
Lukis semula plat pencontoh tersebut dengan menggunakan kaedah geometri.
Kedudukan baru garisan A E adalah seperti yang ditunjukkan.
[5 markah]

1. Figure 1 shows a template ABCDE.
Redraw the template by using geometrical method.
The new line of AE is as shown.
[5 marks]



i	
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NAMA :

TINGKATAN :

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1. Figure 1 shows a template ABCDEF.
Redraw the template using geometrical methods.
The new line of AB is as shown.

[5 marks]

1. Rajah 1 menunjukkan pencontoh ABCDEF.
Lukis semula pencontoh itu dengan menggunakan kaedah geometri.
Kedudukan baru garis AB seperti yang ditunjukkan.

[5 markah]

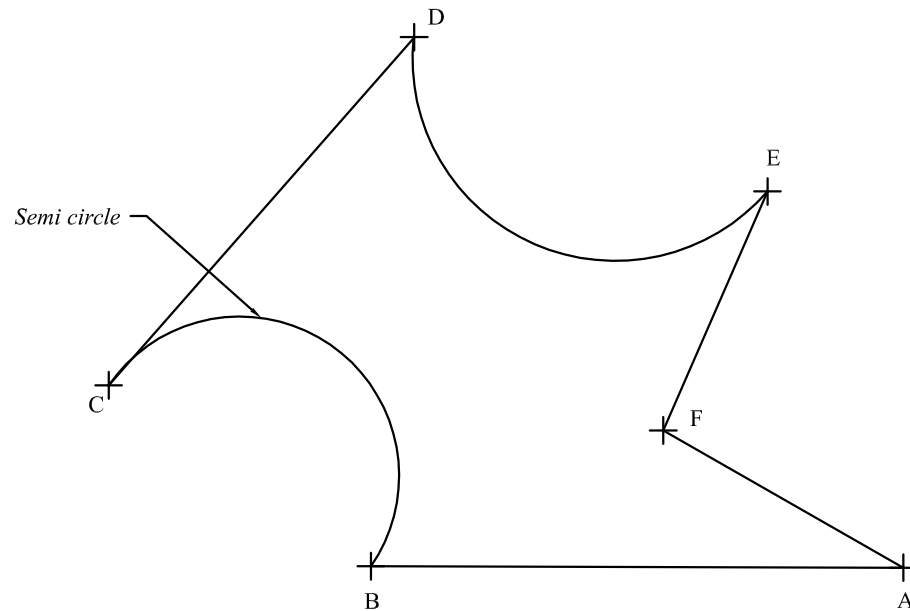
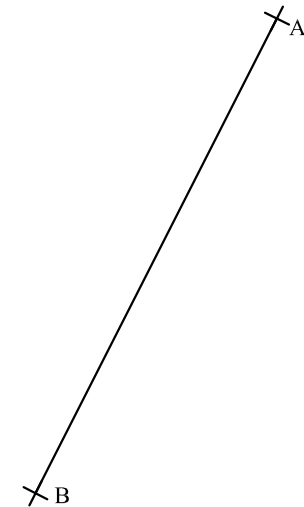


Figure 1
Rajah 1



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2. Figure 2 shows a pentagon and a right angle triangle .
Redraw the template using geometrical methods.
The new position of line AB are as shown.

[5 marks]

Rajah 2 menunjukkan pentagon dan segitiga bersudut tepat.
Lukis semula gambarajah tersebut dengan menggunakan kaedah geometri.
Kedudukan baru bagi garisan AB seperti ditunjukkan.

[5 markah]

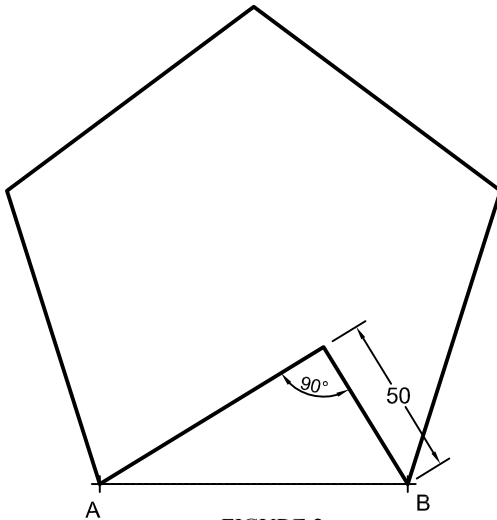
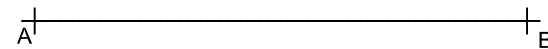


FIGURE 2
RAJAH 2

i	
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2. Figure 2 shows a semi regular hexagon and a triangle .
Redraw the template using geometrical methods.
The new position of line AB are as shown.

(5 marks)

Rajah 2 menunjukkan separuh hexagon sekata dan satu segitiga.
Lukis semula gambarajah tersebut dengan menggunakan kaedah geometri.
Kedudukan baru bagi garisan AB seperti ditunjukkan.

(5 markah)

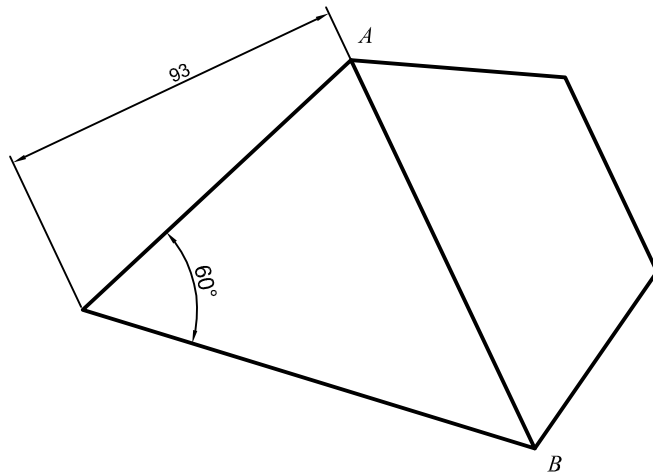


FIGURE 2
RAJAH 2



i	
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2. Figure 2 show a square ABCD.
Draw an octagon at the square given.

[5 marks]

2. Rajah 2 menunjukkan satu segi empat sama ABCD.
Lukiskan satu oktagon sekata pada segi empat diberi.

[5 markah]

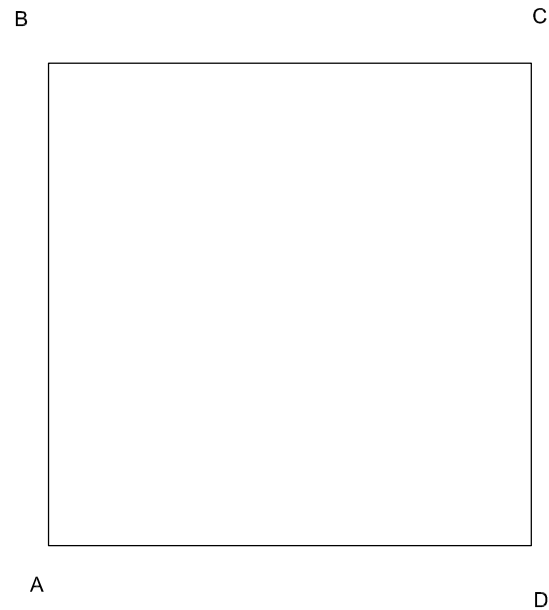


FIGURE 2
RAJAH 2

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iii	

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2. Figure 2 shows a template ABCDEFG.
 ABCD is a half hexagon.
 AD is the perimeter of triangle EFG with ratio of $FG:EG:EF = 2:4:3$.
 Redraw the template in a full size base on the given perimeter AD.
2. *Rajah 2 menunjukkan pencontoh ABCDEFG.*
ABCD adalah separuh heksagon.
AD ialah perimeter bagi segitiga EFG dengan nisbah $FG:EG:EF = 2:4:3$.
Lukis semula pencontoh dalam saiz penuh berdasarkan perimeter AD yang diberi.

[5 marks]

[5 markah]

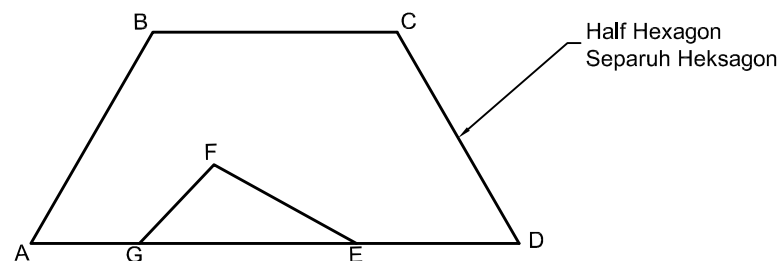
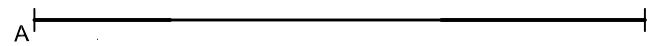


Figure 2
 Rajah 2



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ANGKA GILIRAN :

NO. KAD PENGENALAN :

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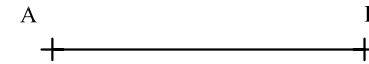
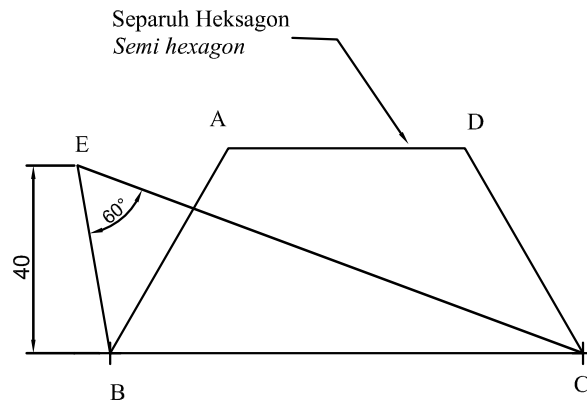
[Lihat sebelah
 SULIT]

2. Rajah 2 menunjukkan separuh heksagon sekata dan segi tiga CBE. Lukiskan rajah itu dengan menggunakan kaedah geometri. AD adalah sisi baru bagi separuh heksagon sekata. Kedudukan garisan baru AD telah diberi.

[5 markah]

2. Figure 2 shows a regular semi-hexagon and a triangle CBE. Draw the figure by using geometrical methods. AD is the new side of the regular semi-hexagon.. The new AD line is as given.

[5 marks]



Rajah 2
Figure 2

i	
ii	

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2. Figure 2 shows a template ABCDE.
Draw the template in full size on the new line AB.
ABCD is a rhombus.

Rajah 2 menunjukkan pencontoh ABCDE.

Lukiskan mengikut skala saiz penuh pencontoh itu pada garisan baru AB.

ABCD adalah rombus.

[5 marks]

[5 markah]

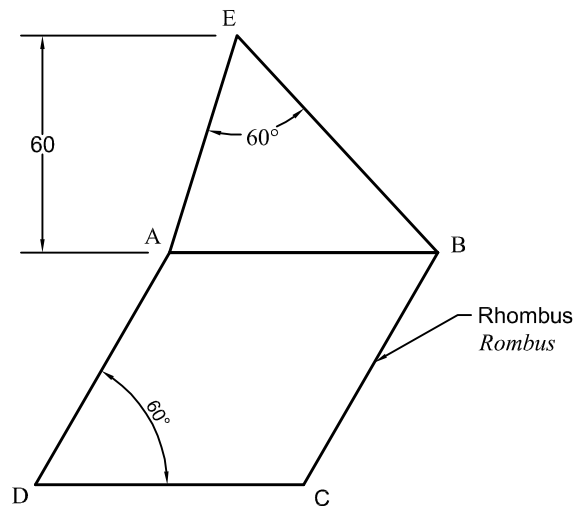
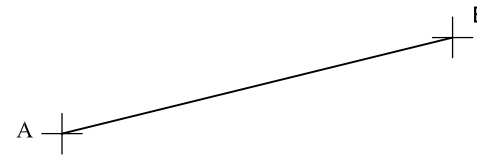


Figure 2
Rajah 2



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2. Figure 2 shows a template ABCDEF. ABCDE is a regular pentagon. Draw the template with side AB as shown.

Rajah 2 menunjukkan satu pencontoh ABCDEF. ABCDE adalah pentagon sekata. Lukis pencontoh tersebut dengan sisi AB yang ditunjukkan.

[5 marks]
[5 markah]

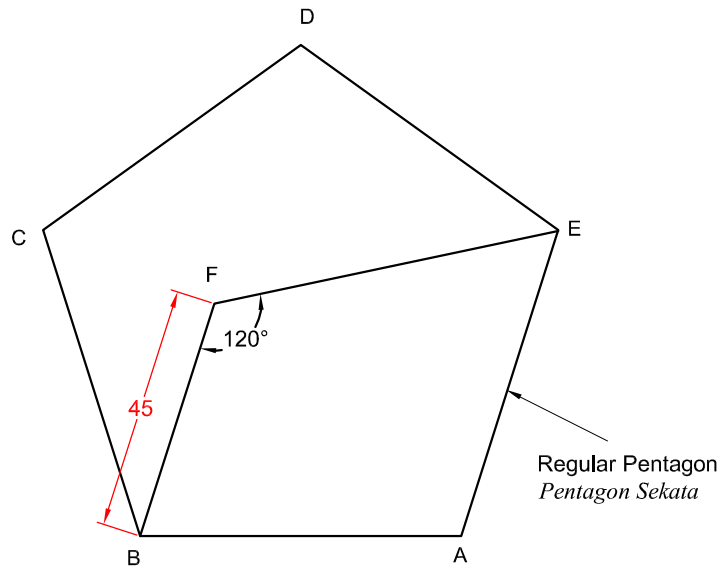
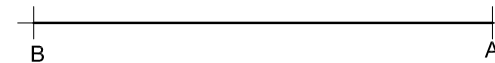


Figure 2
Rajah 2



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2. Figure 2 shows a template ABCD.
Draw the template using geometrical methods.
New position of line AC is given.

[5 marks]

2. Rajah 2 menunjukkan satu pencontoh ABCD.
Lukis pencontoh itu dengan menggunakan kaedah geometri.
Kedudukan baru garisan AC diberi.

[5 markah]

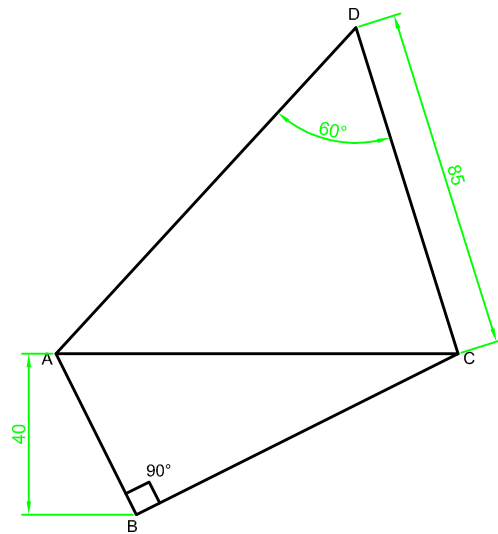


Figure 2
Rajah 2

A ————— C

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ii	
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2. Figure 2 shows a template ABCDE. ACDE is semi hexagon and ABC is triangle with apex angle 45° . Draw the template, in full size. The position of line AC as shown.

Rajah 2 menunjukkan satu pencontoh ABCDE. ACDE adalah separuh heksagon dan ABC adalah segitiga sudut puncak 45° . Lukis pencontoh dalam skala saiz penuh. Kedudukan bari garis AC seperti ditunjukkan.

[5 Marks]
[5 Markah]

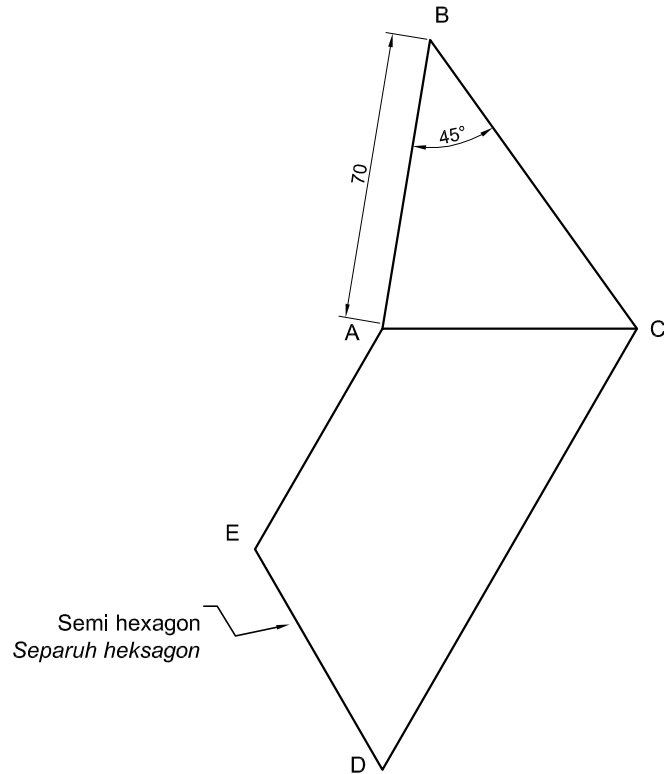
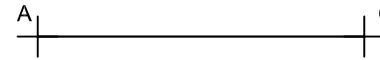


Figure 2
Rajah 2



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2. Figure 2 shows a template ABCDE.
Redraw the template at the new position of A and C.

[5 marks]

2. Rajah 2 menunjukkan pencontoh ABCDE.
Lukiskan semula pencontoh tersebut pada kedudukan baru A dan C.
[5 markah]

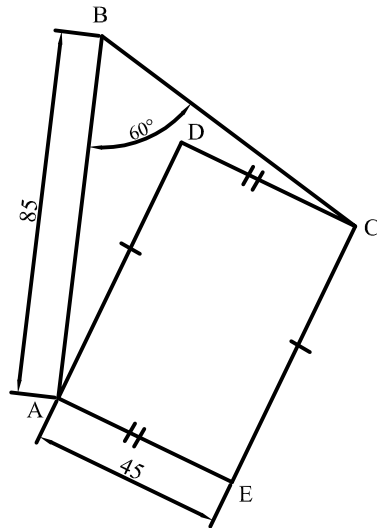


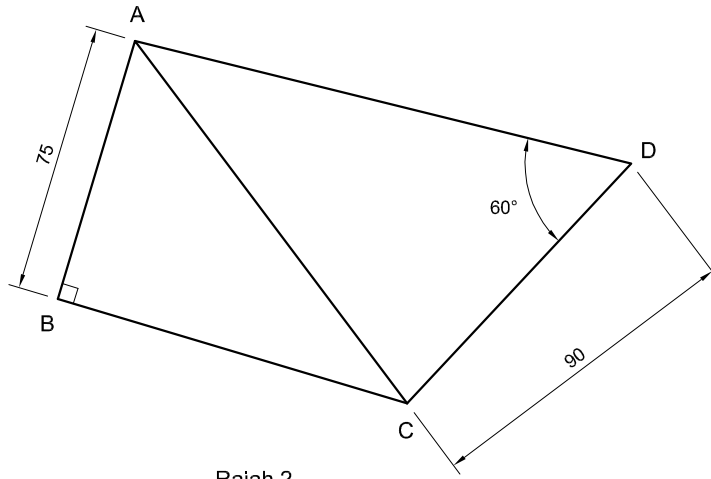
FIGURE 2
RAJAH 2



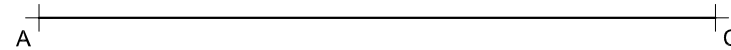
i	
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2. Rajah 2 menunjukkan satu pencontoh ABCD.
Lukis saiz penuh pencontoh itu dengan menggunakan kaedah geometri.
Kedudukan baru garisan AC seperti yang ditunjukkan. [5 markah]
2. *Figure 2 shows a template ABCD.
Draw the template in full size by using the geometrical method.
The new position of line AC is as shown.* [5 marks]



Rajah 2
Figure 2



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2. Figure 2 shows a template ABCD.
Draw the template in full size using geometrical methods.
The new position of line AC is as shown.

[5 marks]

2. Rajah 2 menunjukkan satu pencontoh ABCD.
Lukis saiz penuh pencontoh itu dengan menggunakan kaedah geometri.
Kedudukan baru garisan AC seperti yang ditunjukkan.

[5 markah]

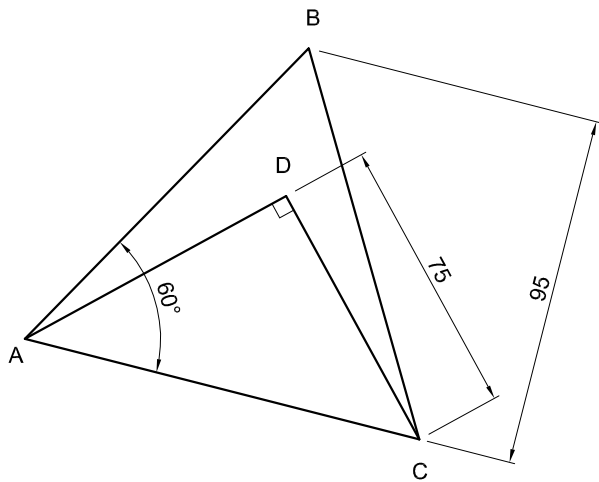
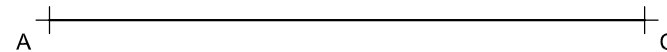


Figure 2
Rajah 2



i	
ii	
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viii	

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3. Figure 3 shows a template ABCDEF.
Reduce the template in the area ratio 3:5.
[7 marks]
3. *Rajah 3 menunjukkan pencontoh ABCDEF.
Kecilkan pencontoh itu mengikut nisbah luas 3:5.
[7 markah]*

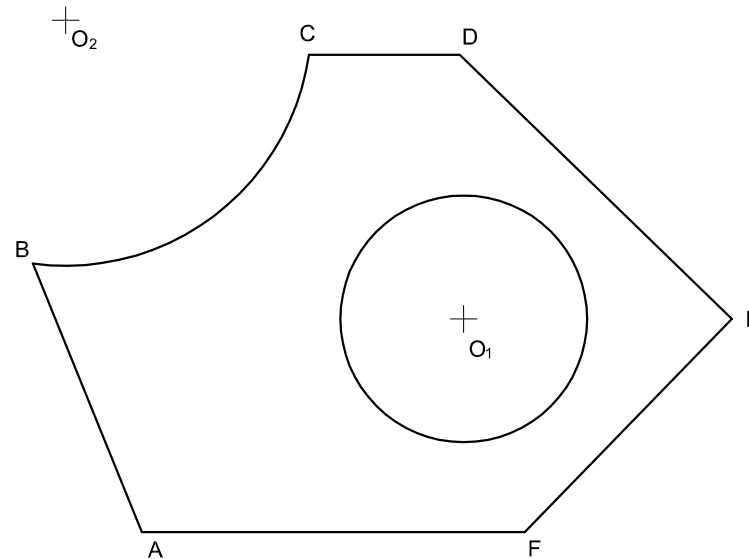


Figure 3
Rajah 3

i	
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viii	

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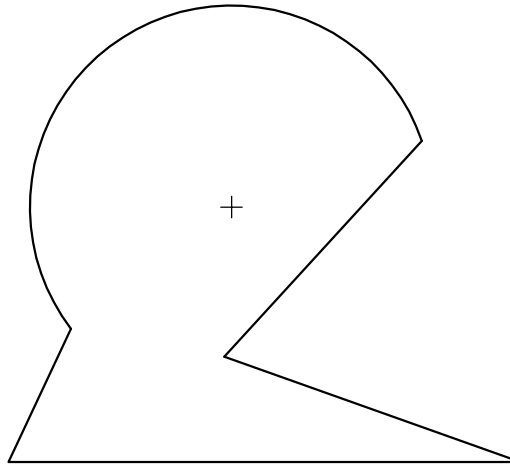
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3. Kecilkan rajah di bawah mengikut nisbah luas 2 : 3.
[7 markah]

3. Reduce the figure below in the area ratio 2 : 3.
[7 marks])



Rajah 3
Figure 3

i	
ii	
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vii	

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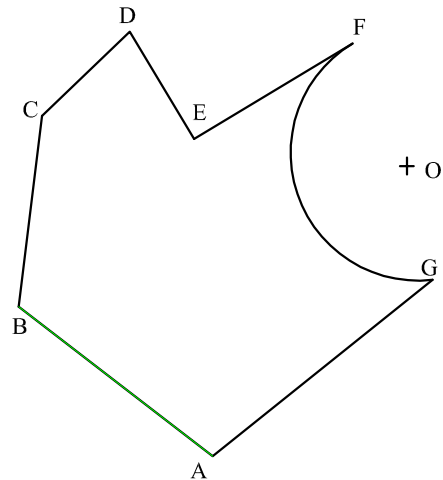
3759/1 LUKISAN KEJURUTERAAN

3. Rajah 3 menunjukkan plat pencontoh ABCDEFG. Besarkan rajah tersebut dengan nisbah luas 4:3.

[7 markah]

3. *Figure 3 shows a template ABCDEFG. Enlarge the diagram by area ratio 4:3.*

[7 marks]



Rajah 3
Figure 3

i	
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v	

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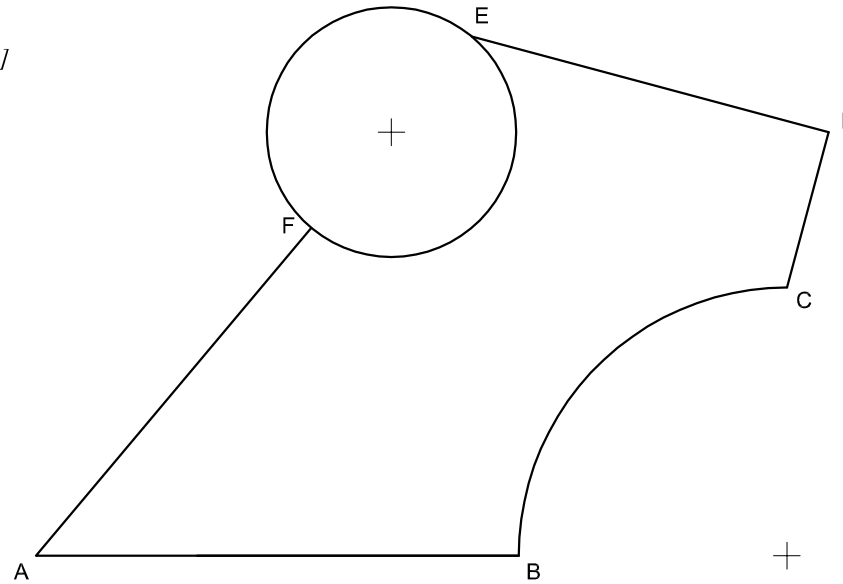
KELAS:

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3. Rajah 3 menunjukkan pencontoh ABCDEF.
Kecilkan pencontoh itu mengikut nisbah luas 3 : 5.
[7 markah]

3. Figure 3 shows a template ABCDEF.
Reduce the template in the side ratio 3 : 5.
[7 marks]



i	
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SULIT

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3. Reduce the template in Figure 3 with the side ratio 3::4.

(7 marks)

3. Kecilkan contoh pada rajah 3 mengikut nisbah sisi 3:4.

(7 markah)

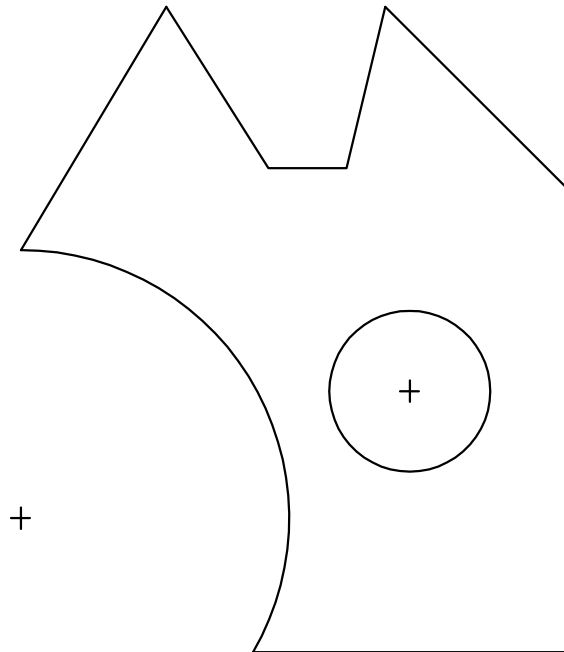


Figure 3
Rajah 3

i	
ii	
iii	
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vii	

NAME:

FORM:

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3. Figure 3 shows a template ABCDE.
Enlarge the template in the area ratio 3 : 2.
[7 marks]

Rajah 3 menunjukkan pencontoh ABCDE.

Besarkan pencontoh itu mengikut nisbah luas 3 : 2.
[7 markah]

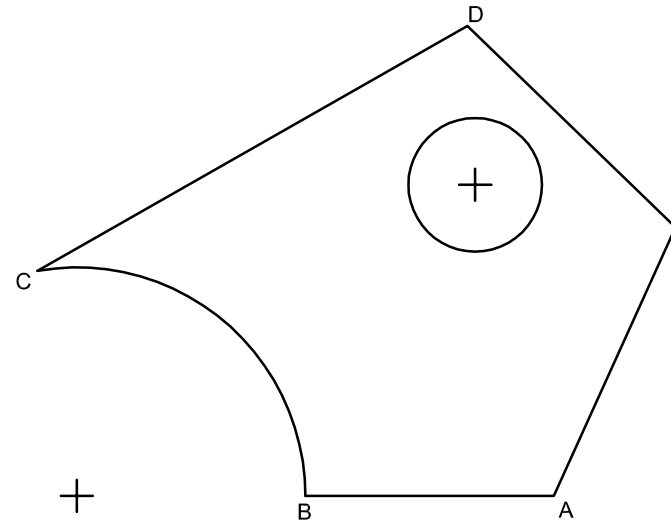


Figure 3
Rajah 3

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NAMA:

TINGKATAN:

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3. Figure 3 shows a template ABCDEFG.
Reduce the template in the side ratio 4 : 5.

Rajah 3 menunjukkan pencontoh ABCDEFG.
Kecilkan pencontoh itu mengikut nisbah sisi 4 : 5.

[7 marks]
[7 markah]

+

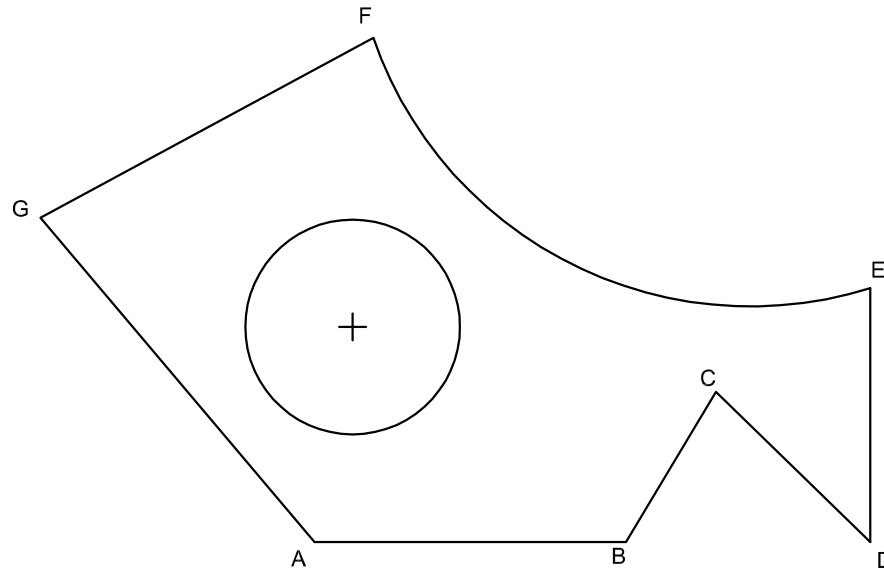


Figure 3
Rajah 3

i	
ii	
iii	
iv	

NAMA :

TINGKATAN :

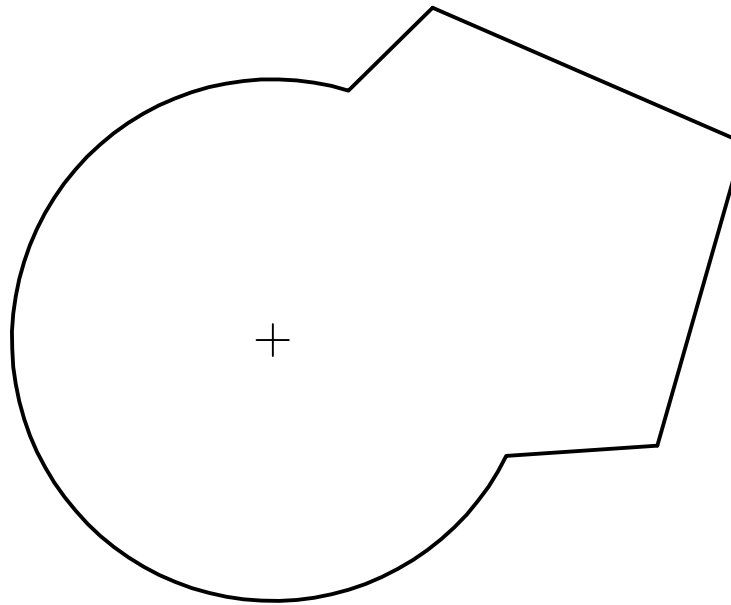
[Lihat halaman sebelah]

3. Rajah 3 menunjukkan satu plat pencontoh. Lukis semula plat di bawah 125 % daripada keluasan asal.

(7 markah)

3. Figure 3 shows a template. Redraw a template below 125% from the actual area.

(7 marks)

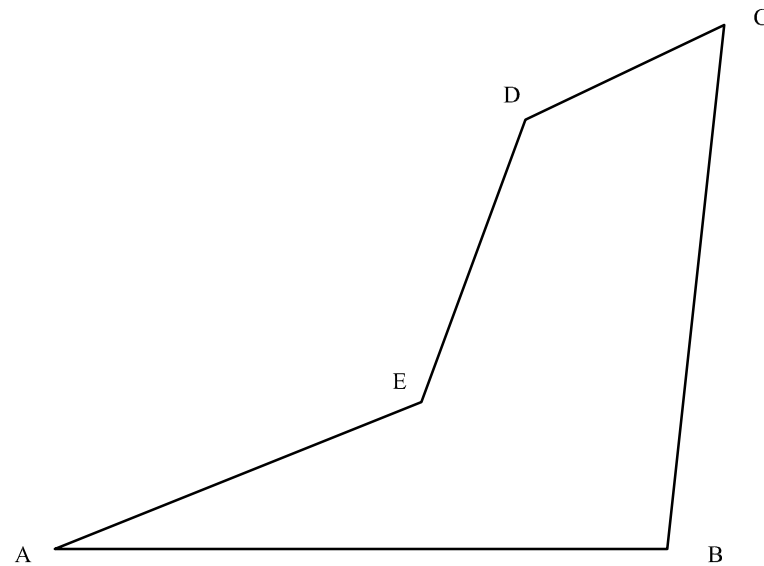


RAJAH 3
FIGURE 3

i	
ii	
iii	
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v	
vi	

3. Rajah 3 menunjukkan satu pentagon tidak sekata ABCDE.
Bina satu segi empat sama yang sama luas dengan pentagon tersebut.
[7 markah]

3. *Figure 3 shows an irregular pentagon ABCDE.*
Construct a square equal in area to the irregular pentagon.
[7 marks]



Rajah 3
Figure 3

i	
ii	
iii	
iv	
v	

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

- 3 Figure 3 shows a triangle ABC.
Construct a rectangle with a height of 60mm equal in area to the triangle.

*Bina segiempat tepat dengan ketinggian 60mm yang sama luas dengan segitiga itu.
Rajah 3 menunjukkan sebuah segitiga ABC.*

[7 marks]
[7 markah]

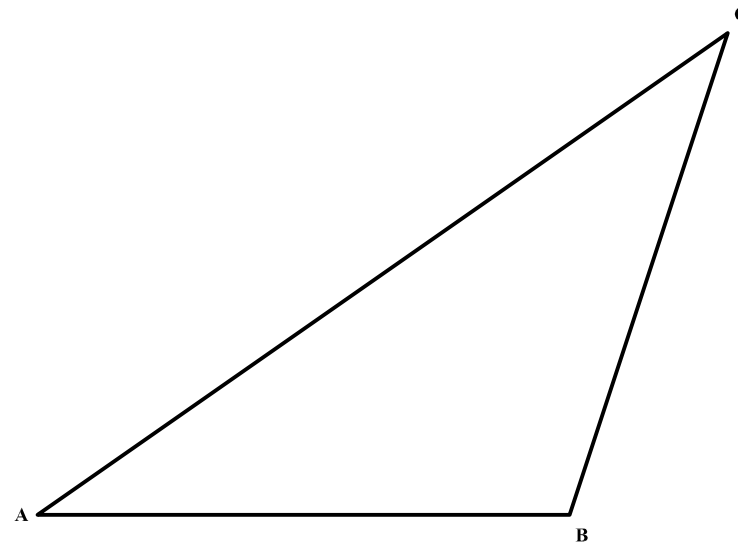


Figure 3
Rajah 3

i	
ii	
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NAMA:

KELAS:

3759/1 LUKISAN KEJURUTERAAN

[Lihat sebelah
SULIT

3. Figure 3 shows a template ABCD.
Construct a square equal in area to the template.

Rajah 3 menunjukkan pencontoh ABCD.

Bina segiempat sama yang sama luas dengan pencontoh.

[7 marks]

[7 markah]

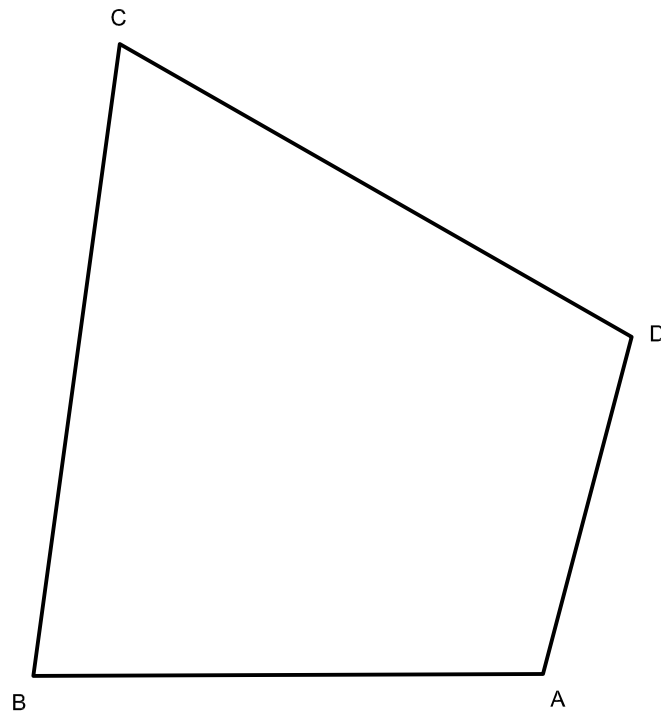


Figure 3
Rajah 3

i	
ii	
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NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN



3. Figure 3 shows a template ABCD.
Draw a rectangle equal in area to the template ABCD with height of 60 mm.

[7 Marks]

3. Rajah 3 menunjukkan sebuah pencontoh ABCD.
Lukiskan sebuah segiempat tepat yang sama luas dengan pencontoh ABCD dengan ketinggian 60mm.

(7 Markah)

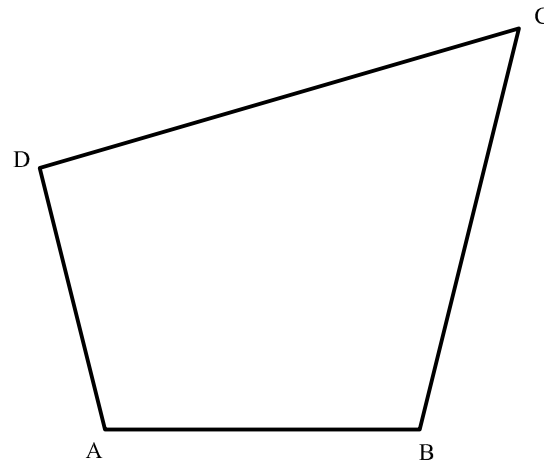


Figure 3
Rajah 3

i	
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NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN



3. Figure 3 shows a template of ABC.
Construct an equal area rectangle with the figure.
BP is the new base of the rectangle.

Rajah 3 menunjukkan pencontoh ABC.

Lukis segi empat tepat yang sama luas dengan pencontoh itu.

BP ialah tapak baru segi empat tepat yang dikehendaki.

[7 marks]
[7 markah]

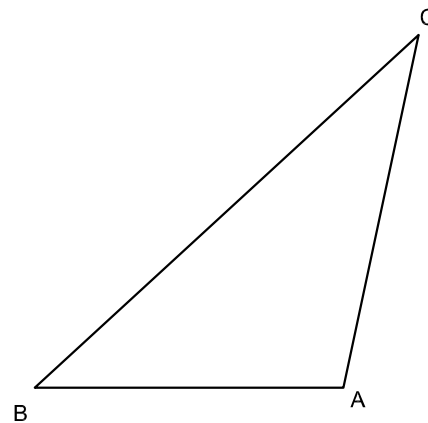


Figure 3
Rajah 3

i	
ii	
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NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN



3. Figure 3 shows an irregular hexagon ABCDEF.
Draw a square of equal area to the given hexagon.
[7 marks]

3. Rajah 3 menunjukkan heksagon tak sekata ABCDEF.
Lukis segi empat sama yang sama luas dengan heksagon diberi.
[7 markah]

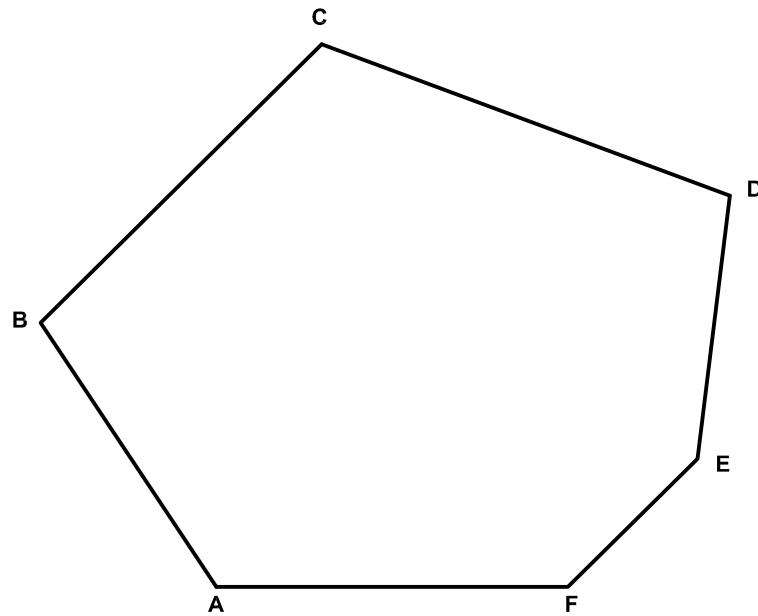


FIGURE 3
RAJAH 3

i	
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3. Figure 3 shows a template ABCD.
Construct a square equal in area to the template.

[7

marks]

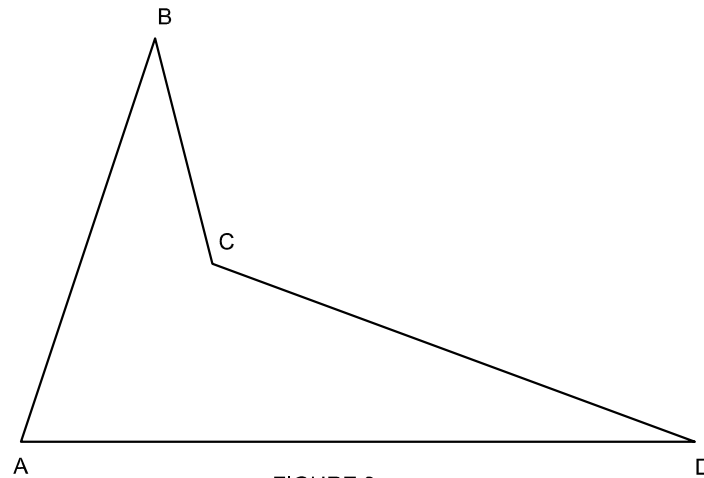


FIGURE 3

i	
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NAMA :

3759/1 LUKISAN KEJURUTERAAN



3. Figure 3 shows a quadrilateral PQRS.
 Draw a rectangle which equal to the area of the rectangle PQRS.
 The new length is 'DP' [7 marks]
3. Rajah 3 menunjukkan sebuah sisiempat tepat PQRS.
 Lukiskan rajah segiempat tepat yang sama luas dengan segiempat tepat PQRS.
 Panjang sisi yang baru ialah 'DP'.

[7 markah]

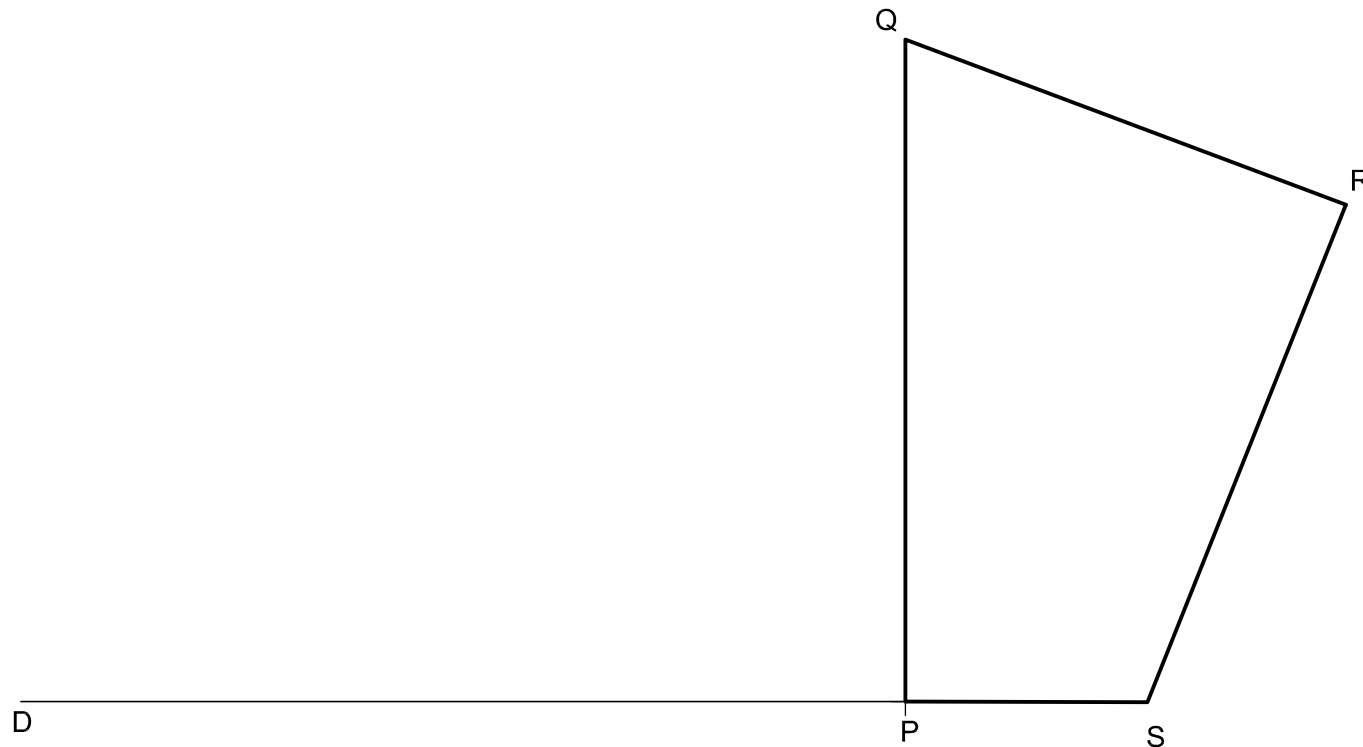


Figure 3

Rajah 3

i	
ii	
iii	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN



3. Figure 3 shows a polygon ABCDE.
Draw a square with an equal area with the polygon given.

[7 marks]

3. Rajah 3 menunjukkan satu poligon ABCDE.
Lukiskan sebuah segiempat sama yang sama luas dengan poligon tersebut.
[7 markah]

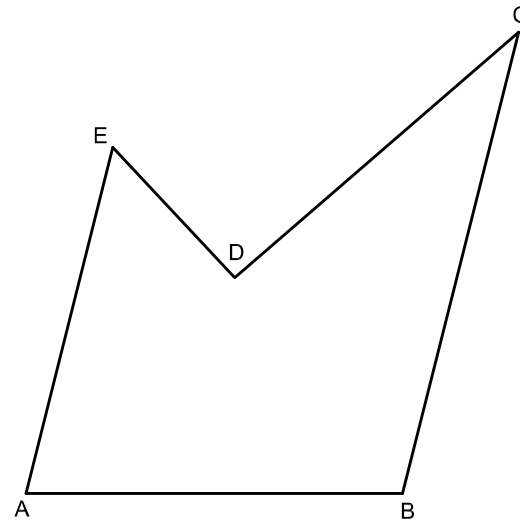


FIGURE 3
RAJAH 3

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vi	

NAME:

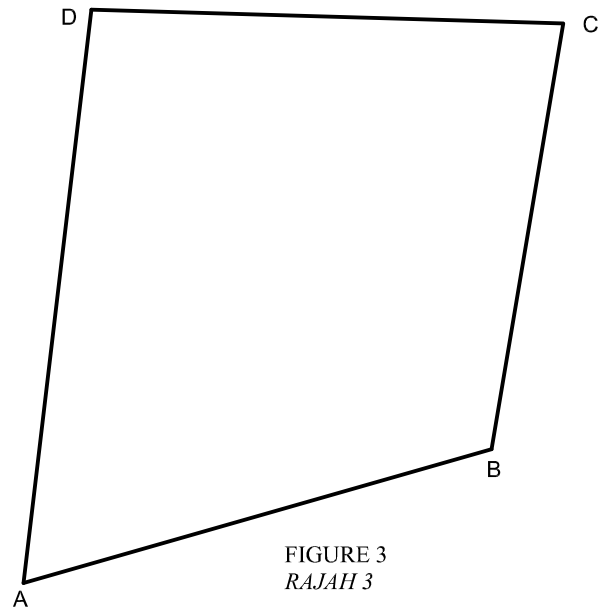
FORM:

3759/1 ENGINEERING DRAWING

3. Figure 3 shows a irregular polygon ABCD. Draw a square of equal in area to the given polygon.
[7 marks]

Rajah 3 menunjukkan satu poligon tidak sekata ABCD. Lukiskan sebuah segi empat sama yang sama luas dengan poligon tersebut.

[7 markah]



<i>i</i>	
<i>ii</i>	
<i>iii</i>	
<i>iv</i>	



- 4 Figure 4 shows a template ABCDEF.
A, B, C, D, E and F are tangent points.
BC is a tangent line. O is the center of ellipse.
Draw the the template in full size.
The position of point O as given.

*Rajah 4 menunjukkan satu plat pencontoh ABCDEF.
A, B, C, D, E and F adalah titik-titik tangen.
BC adalah garis tangen. O adalah pusat elips.
Lukis pencontoh itu mengikut saiz penuh.
Kedudukan titik O seperti yang diberi.*

[15 marks]

[15 markah]

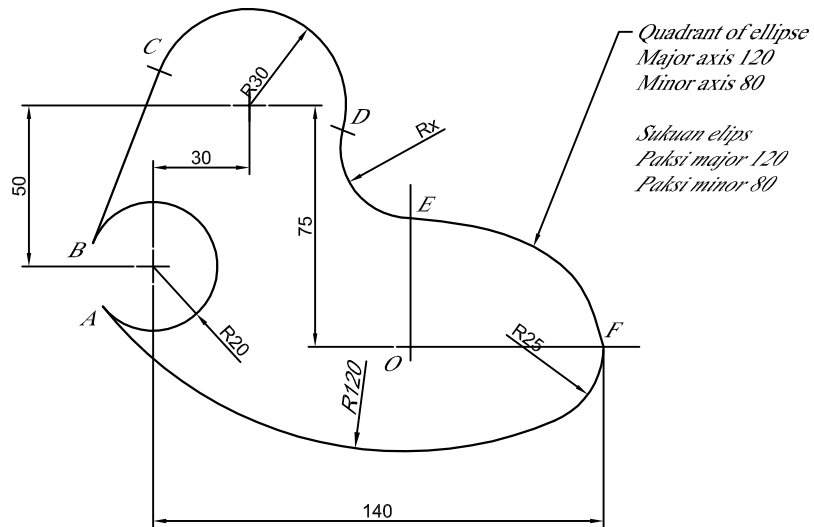


Figure 4
Rajah 4

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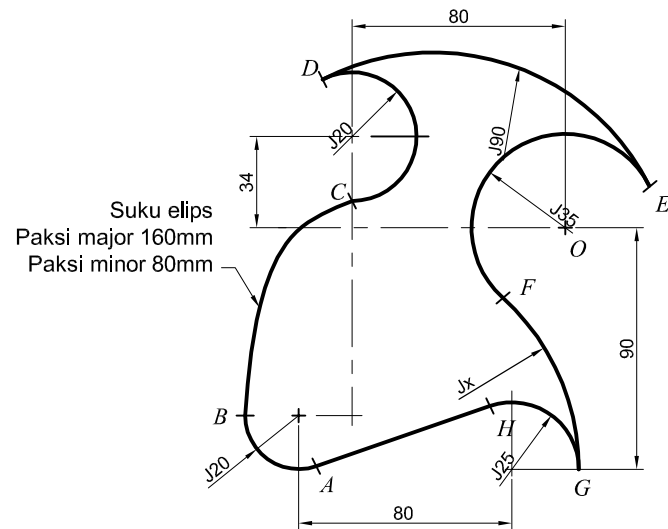
NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

4. Rajah 4 menunjukkan pencontoh ABCDEFGH. A, D, E, F, G dan H ialah titik-titik tangen manakala garisan AH adalah garisan tangen. Lukis pencontoh itu mengikut skala saiz penuh. Kedudukan baru titik O seperti ditunjukkan.

(15 markah)



RAJAH 4

i	
ii	
iii	
iv	
v	

+

O

- 4 Figure 4 shows a template ABCDEFG. C, D, E, F, and G are tangent points. DE is a tangent line. O is a centre of ellipse AB. Draw the template in full size.

Rajah 4 menunjukkan pencontoh ABCDEFG.

C, D, E, F, dan G adalah titik tangen.

DE adalah garis tangen. O ialah pusat bagi elips AB.

Lukis pencontoh itu mengikut skala saiz penuh.

[15 marks]

[15 markah]

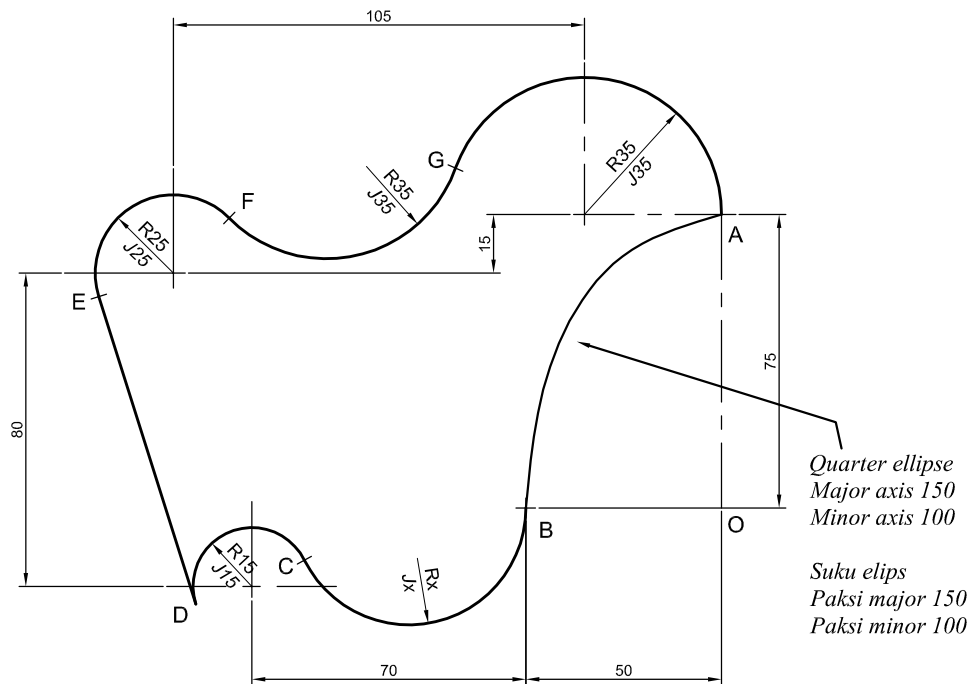


Figure 4
Rajah 4

to

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NAMA:

KELAS:

3759/1 LUKISAN KEJURUTERAAN

4. Figure 4 is shown a template ABCDEF. Point B, C, D, E, F and G are tangent points.
AH is an axis of parabolic. Draw the template in full size.

[15 marks]

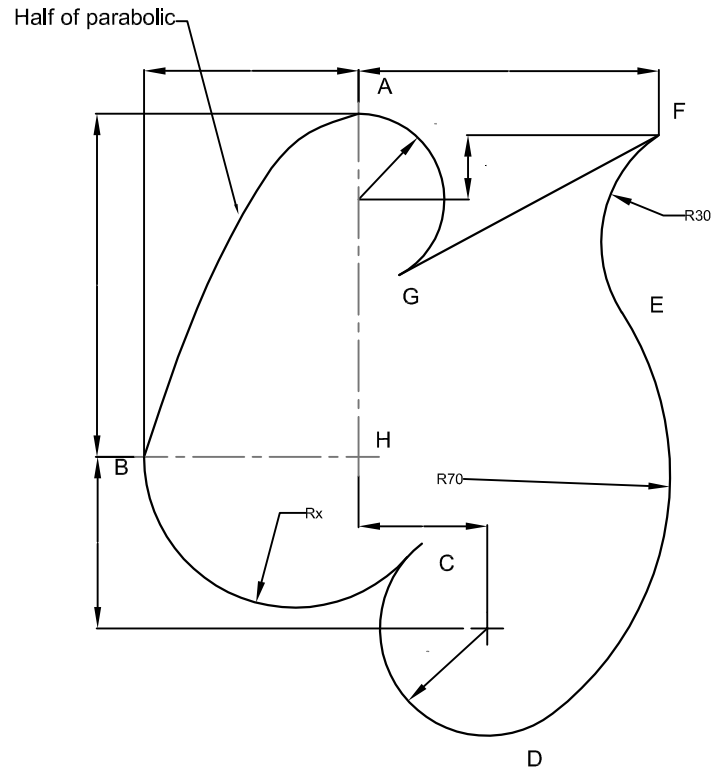


FIGURE 4

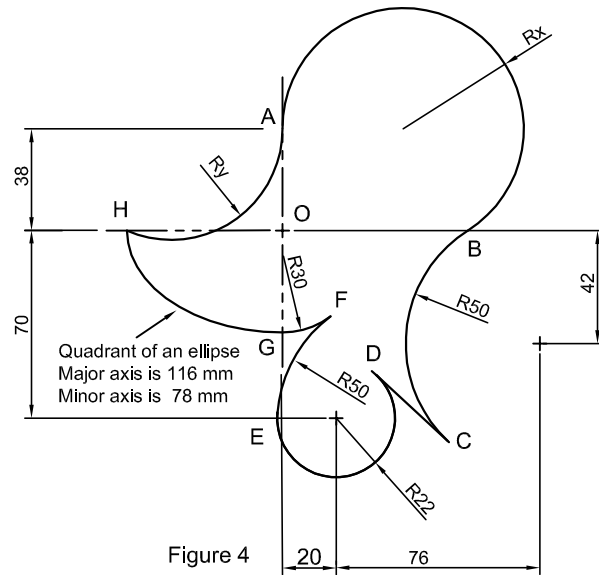
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NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

4. Figure 4 shows a template ABCDEFGH. Points A, B, C, D, E, F and G are tangent points, CD is a tangent line and O is the centre point of the quadrant of ellipse GH. Draw the template in full size by using the geometrical methods. The new point of O is shown.
[15 marks]



+ O

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viii	
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x	
xi	
xii	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

Modul Pecutan Akhir Lukisan Kejuruteraan

4. RAJAH 4 menunjukkan satu penconon ABCDEFG.

A,B,C,D,E dan G adalah titik tangen. CD adalah garis tangen.

E ialah mercu bagi separuh parabola EF.

Lukis penconon itu mengikut skala saiz penuh. [15 Markah]

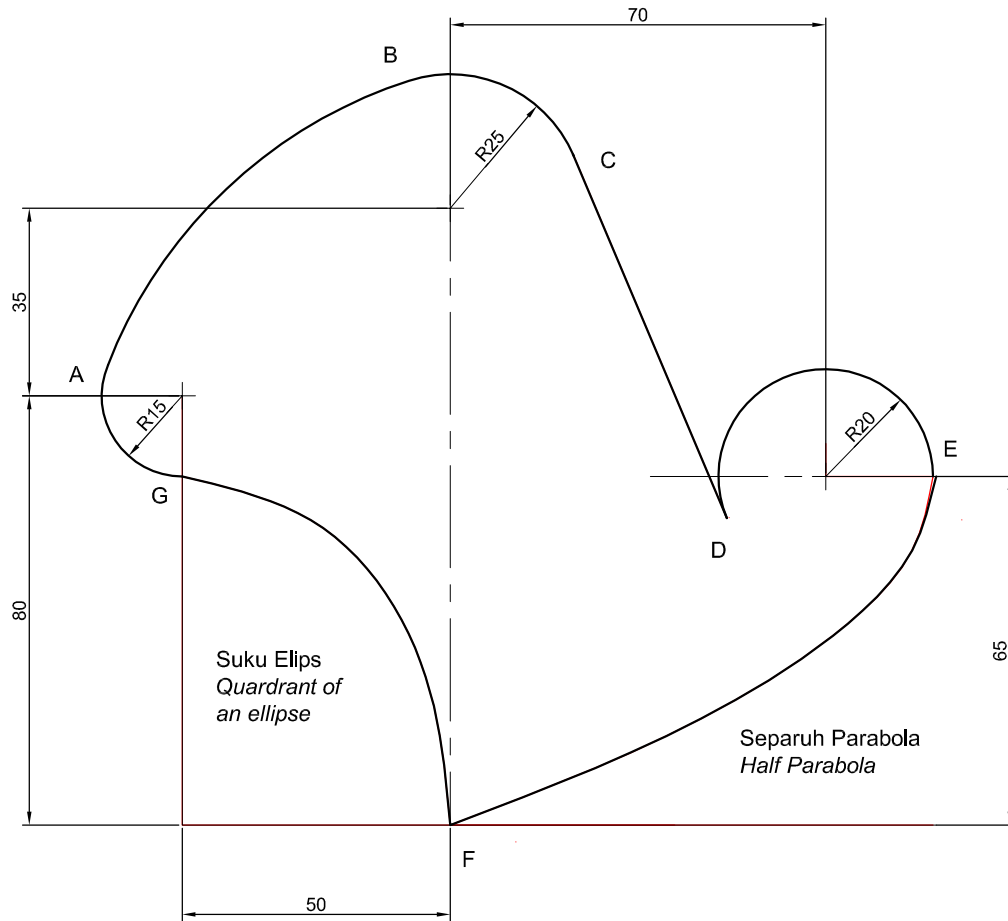
2. FIGURE 2 shows a template ABCDEFG.

A,B,C,D,E dan G are tangent point. CD is a tangent line.

E is a vertex for the half parabola EF.

Draw the template in full size.

[15 marks]



RAJAH 4
FIGURE 4

TANGEN



A	
ii	
iii	
iv	
v	



4. Figure 4 shows a template ABCDEFG.
 B, C, D, E and F are tangent points.
 AB is a tangent line. A is a vertex of the half parabola AG.
 Draw the template in full size using the geometrical methods.

Rajah 4 menunjukkan satu pencontoh ABCDEFG.

B, C, D, E dan F adalah titik tangen.

AB adalah garisan tangen. A ialah mercu separuh parabola AG.

Lukis pencontoh itu mengikut skala saiz penuh dengan menggunakan kaedah geometri.

[15 marks]
 [15 markah]

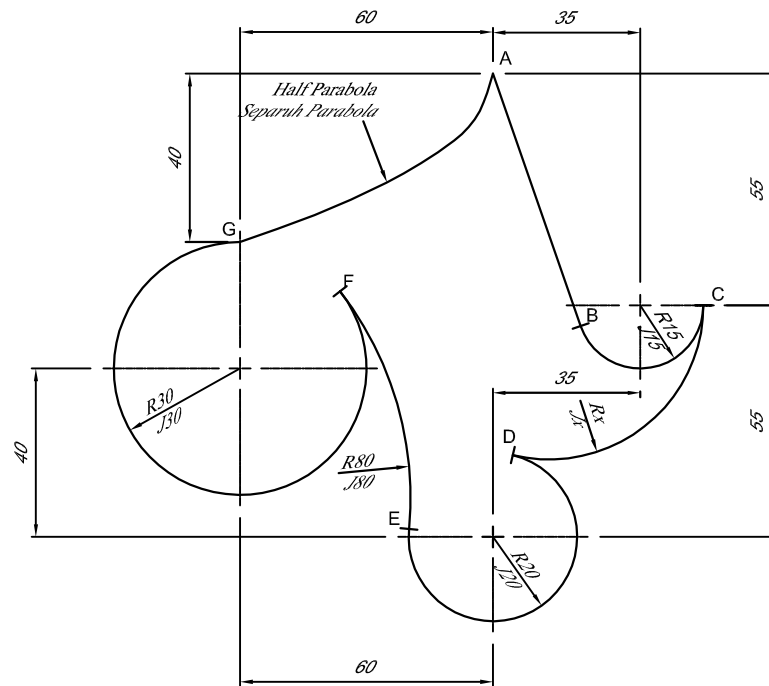


Figure 4
 Rajah 4

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NAMA :

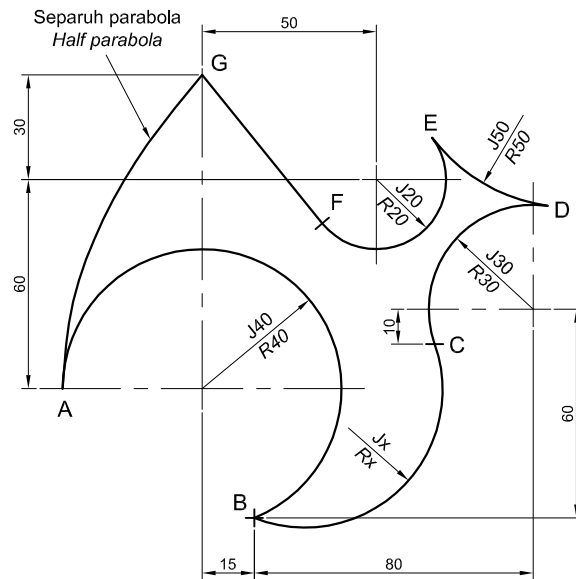
TINGKATAN :

4. Rajah 4 menunjukkan pencontoh ABCDEFG. C, D, E dan F adalah titik-titik tangen. FG adalah garisan tangen. A adalah mercu bagi separuh parabola AG. Lukis pencontoh itu mengikut skala saiz penuh dengan menggunakan kaedah geometri.

[15 markah]

4. Figure 4 shows a template ABCDEFG. C, D, E and F are tangent points. FG is a tangent line. A is a vertex of the half parabola AG. Draw the template in full size using geometrical methods.

[15 marks]



Rajah 4
Figure 4

i	
ii	
iii	
iv	
v	

NAMA :

TINGKATAN :



4. Figure 4 shows a template ABCDEFG.
 C, D, E, F and G are tangent points.
 FG is a tangent line. BH is a symmetrical axis of the half parabola AB.
 Draw the template in full size using the geometrical methods.

Rajah 4 menunjukkan satu pencontoh ABCDEFG.

C, D, E, F dan G adalah titik tangen.

FG adalah garisan tangen. BH ialah paksi simetri bagi separuh parabola AB.

Lukis pencontoh itu mengikut skala saiz penuh dengan menggunakan kaedah geometri.

[15 marks]

[15 markah]

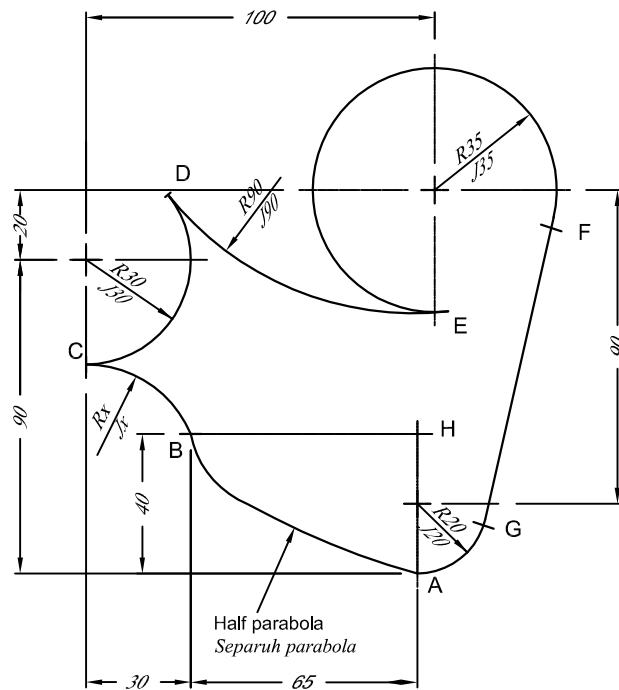


Figure 4
Rajah 4

i	
ii	
iii	
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NAMA :

TINGKATAN :



4. Figure 4 shows a template ABCDEF.
C,D,E and F are tangent points. AF is a tangent line.
O is the center of quarter ellipse AB. Point A is given.
Redraw the template shown in full size using geometrical construction methods.
[15 marks]

4. Rajah 4 menunjukkan satu plat pencontoh ABCDEF.
C,D,E,dan F adalah titik ketangenan. AF ialah garisan tangen.
O ialah pusat bagi suku ellips AB . Titik A diberikan.
Lukiskan semula plat pencontoh tersebut pada skala penuh dengan
kaedah pembinaan geometri.
[15 markah]

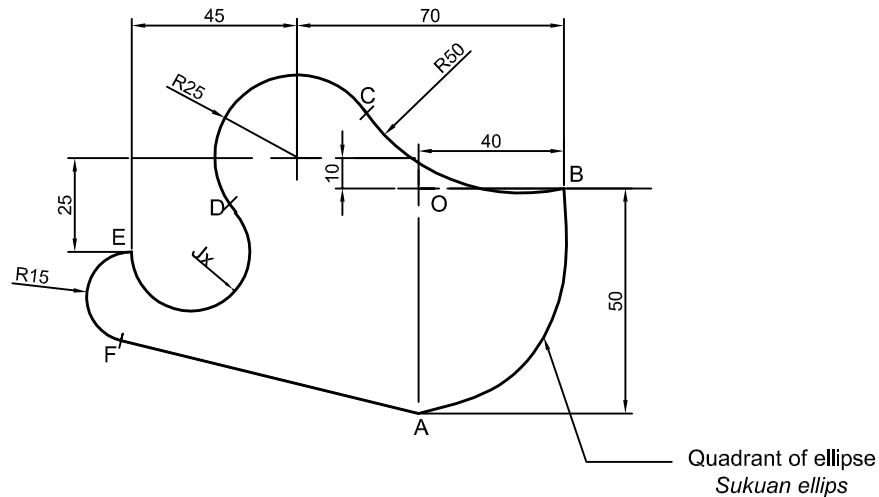


FIGURE 4
RAJAH 4

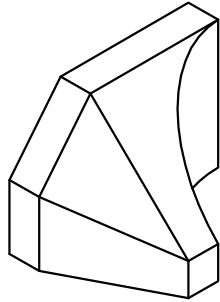
NAMA:

TINGKATAN: 5SC6

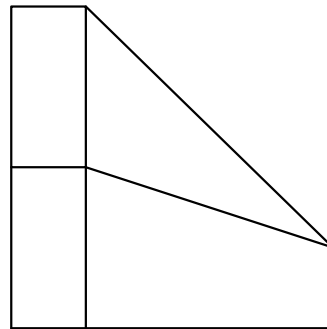
3759/1 LUKISAN KEJURUTERAAN

5. Rajah 5 menunjukkan pandangan hadapan dan pandangan sisi kiri bagi objek A.
Unjurkan pandangan atas bagi objek ini.

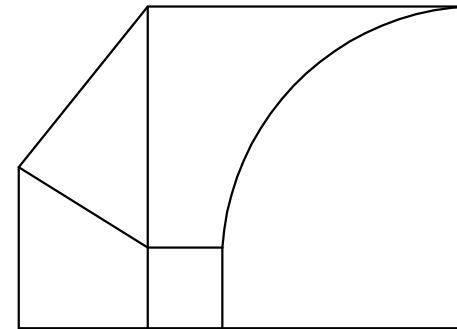
[8 markah]



Objek A



Pandangan Sisi Kiri



Pandangan Hadapan

Rajah 5

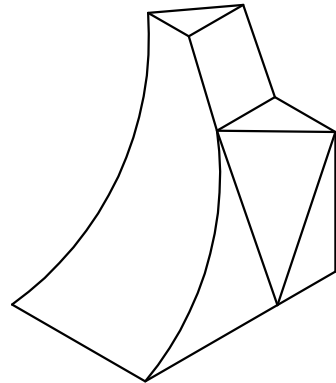
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NAMA :

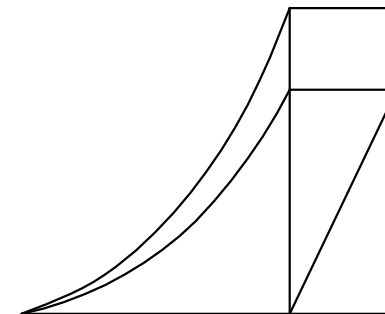
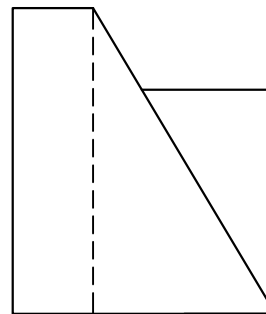
TINGKATAN :



5. Rajah 5 menunjukkan dua pandangan unjuran ortografik bagi Objek A. Lukis pandangan atas bagi objek itu. Tunjukkan semua garisan unjuran. [8 markah]
5. Figure 5 shows two views orthographic projection of an object A. Draw the top view of the object. Shows all projection lines and hidden details [8 marks]



Objek A
Objek A



Rajah 5
Figure 5

i	
ii	
iii	
iv	

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

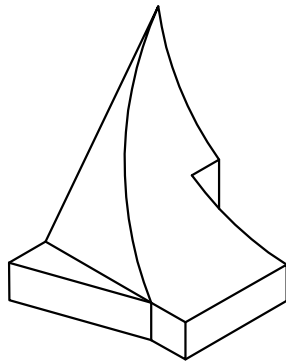


5. Figure 5 shows two views of object A. Draw the top view of the object. Show **all** the projection line.

(8 marks)

Rajah 5 menunjukkan 2 pandangan bagi objek A. Lukis pandangan atas bagi objek itu. Tunjukkan semua garisan unjuran

(8 markah)



Object A.
Objek A

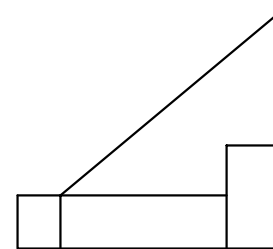
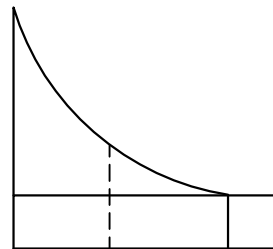


Figure 5
Rajah 5

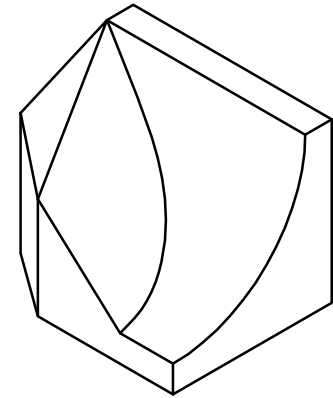


5. Figure 5 shows two views of object A.
Draw the top view of the given object.
Show the projection lines.

[8 marks]

5. Rajah 5 menunjukkan dua pandangan bagi objek A.
Lukis pandangan atas bagi objek itu.
Tunjukkan garisan unjuran.

[8 markah]



OBJECT A
OBJEK A

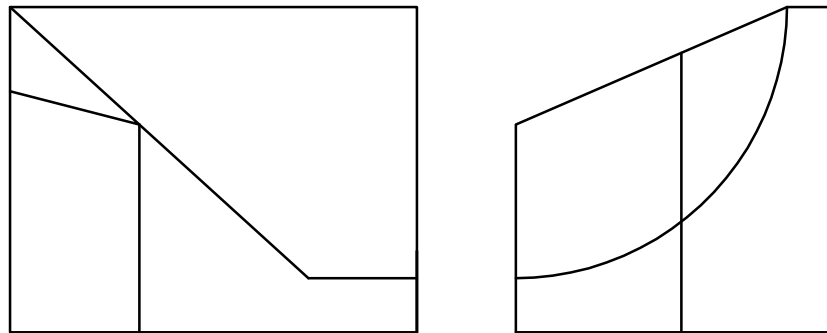


FIGURE 5
RAJAH 5

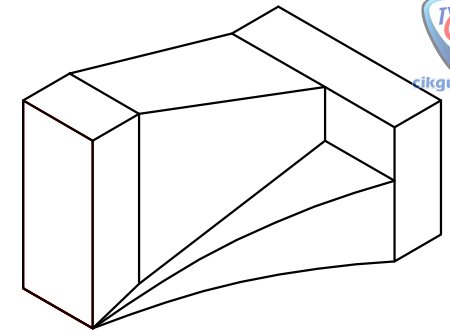
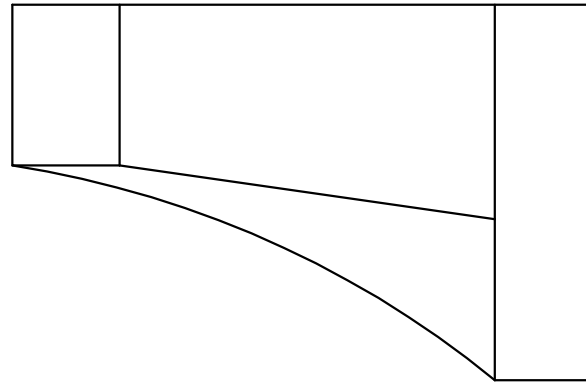
i	
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iii	

NAME:

FORM:

5. Figure 5 shows front view and top view of object A.
Draw the side view of the given object.
Show the projection lines.

[8 marks]



OBJECT A

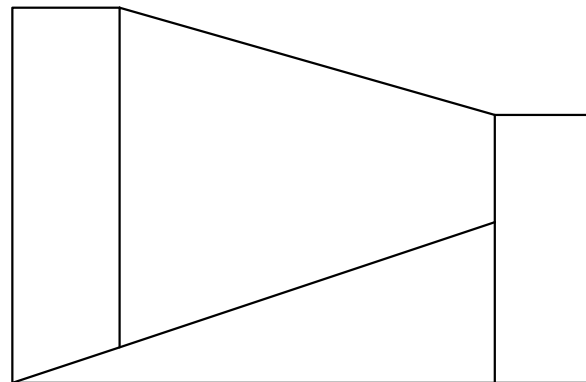


FIGURE 5

i	
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NAMA :

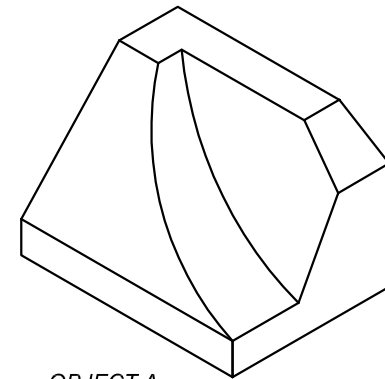
TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN



5. Figure 5 shows two views of object A.
Draw the top view of the given object.
Show the projection lines.

[8 Marks]



OBJECT A

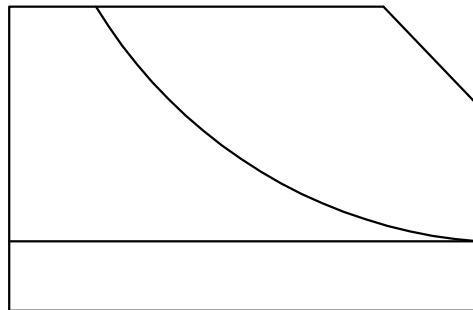
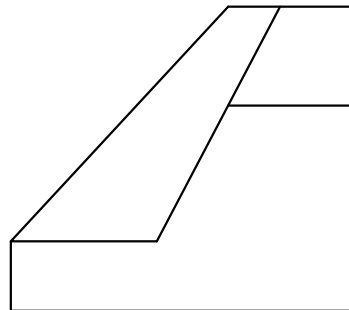


Figure 5



i	
ii	
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iv	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

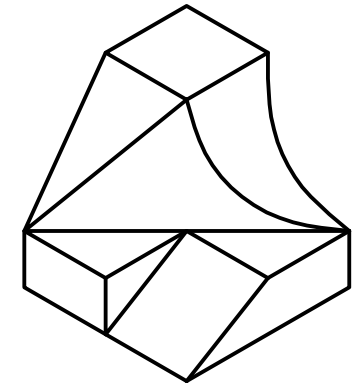
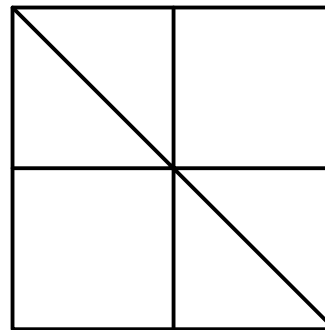


5. Rajah 5 menunjukkan dua pandangan bagi objek A. Lukis pandangan hadapan bagi objek itu. Tunjukkan garisan unjuran.

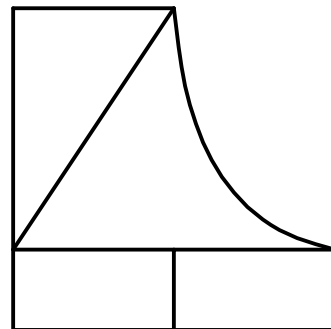
[7 markah]

5. Figure 5 shows two views of object A. Draw the front view of the given object. Show the projection line.

[7 marks]



OBJEK A
OBJECT A



RAJAH 5
FIGURE 5

i	
ii	
iii	
iv	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

Section B
Bahagian B

[68 marks]

[68 markah]

[Time suggested : 1 hour and 30 minutes]

[Masa yang dicadangkan : 1 jam 30 minit]

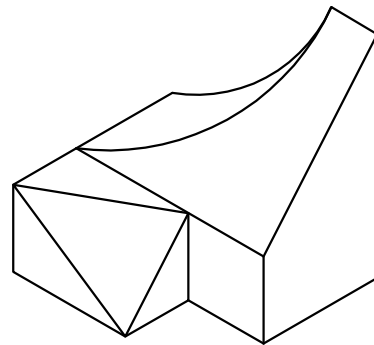
Answer **all** questions.Jawab **semua** soalan.

5. Figure 5 shows two views of object A.
Draw the top view of the given object.
Show the projection lines.

*Rajah 5 menunjukkan dua pandangan bagi objek A.
Unjurkan pandangan atas bagi objek itu.
Tunjukkan semua garisan unjuran.*

[8 marks]

[8 markah]



Object A
Objek A

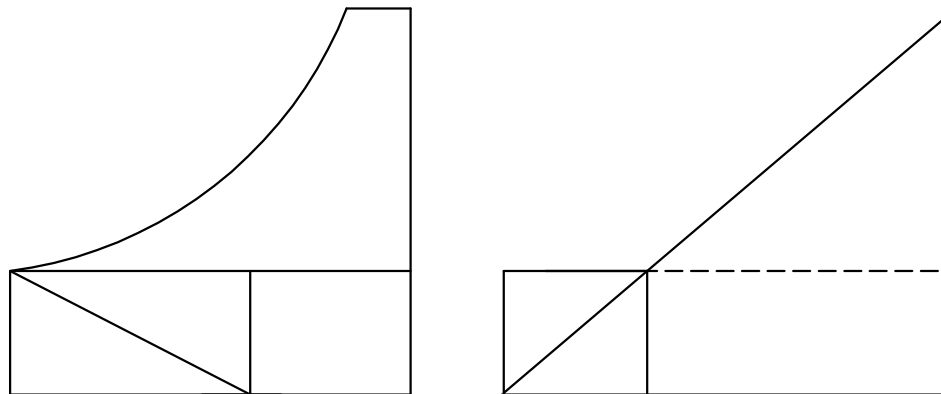


Figure 5
Rajah 5

i	
ii	
iii	

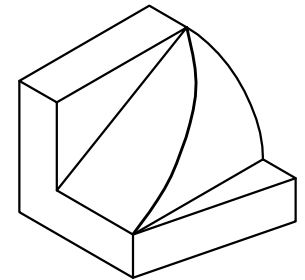
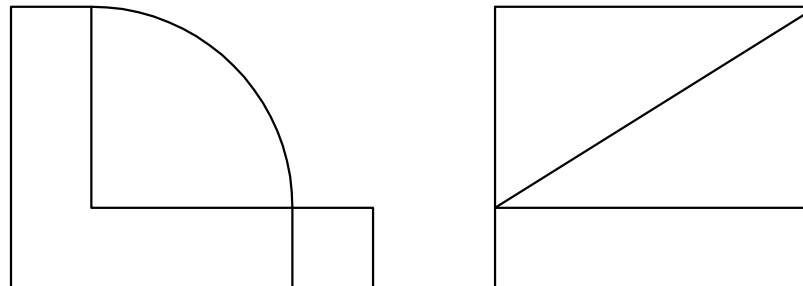
NAMA :

TINGKATAN :

Section B
Bahagian BAnswer all questions
Jawab semua soalan

- 5 Figure 5 shows two views Object A.
Draw the top view of the object.
Show the projection lines. [8 marks]

Rajah 5 menunjukkan dua pandangan bagi Objek A.
Lukis pandangan atas bagi objek itu.
Tunjukkan garisan unjuran. [8 markah]

OBJECT A
OBJEK AFigure 5
Rajah 5

i	
ii	
iii	
iv	

NAMA:

TINGKATAN:

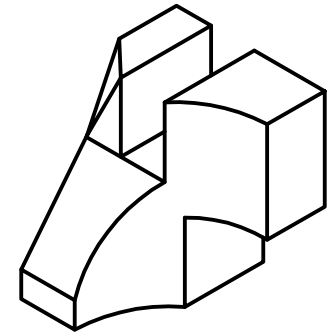
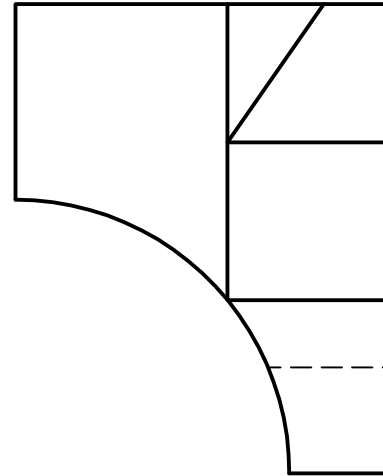
3759/1 LUKISAN KEJURUTERAAN

Jawab semua soalan

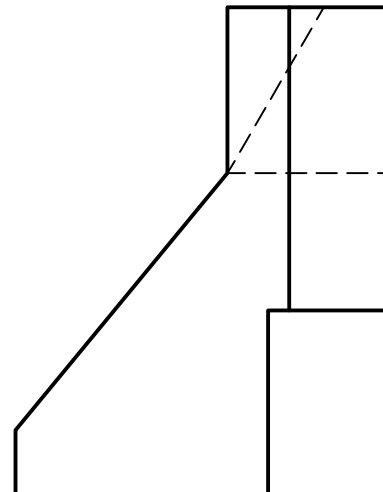


5. Rajah 5 menunjukkan dua pandangan bagi objek A
Lukis pandangan sisi kiri bagi objek itu.
Tunjukkan garisan unjuran.

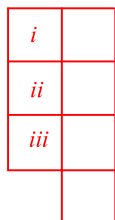
(8 markah)



OBJEK A



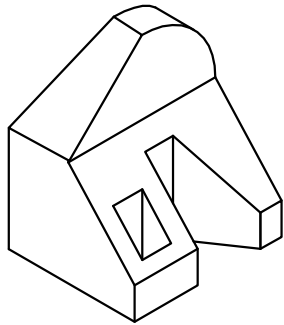
RAJAH 5



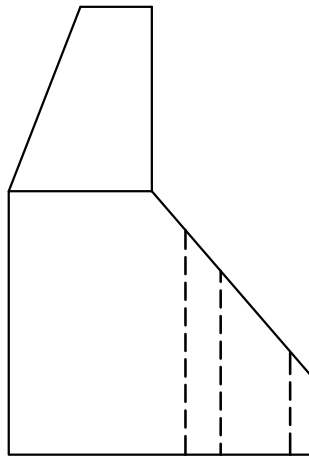


- 6 Figure 6 shows two views of object B.
Project an auxiliary view of width on the plane XY.
Hidden details need not to be shown.
[20 marks]

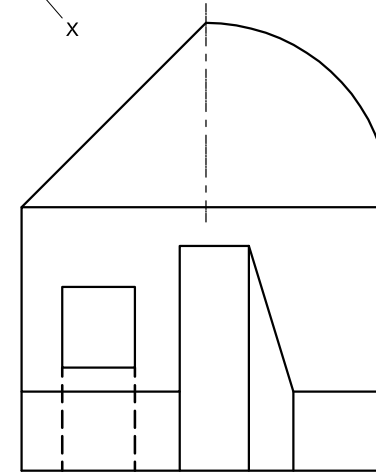
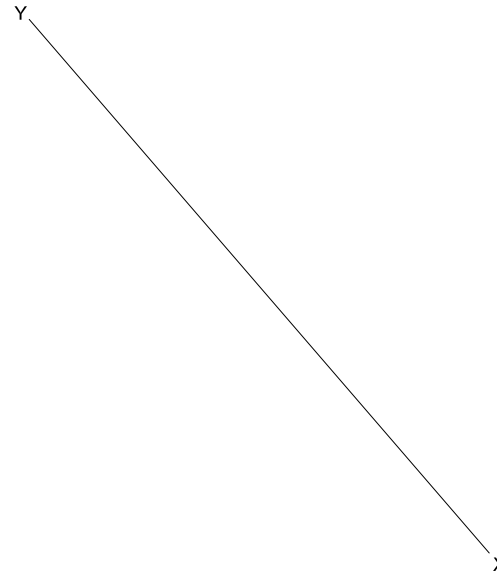
- 6 Rajah 6 menunjukkan dua pandangan bagi objek B.
Unjurkan pandangan tambahan kelebaran pada satah XY.
Butiran terlindung tidak perlu diunjukkan.
[20 markah]



Object B
Objek B



Side View
Pandangan Sisi



Front View
Pandangan Hadapan

i	
ii	
iii	
iv	
v	

Figure 6
Rajah 6

NAMA :

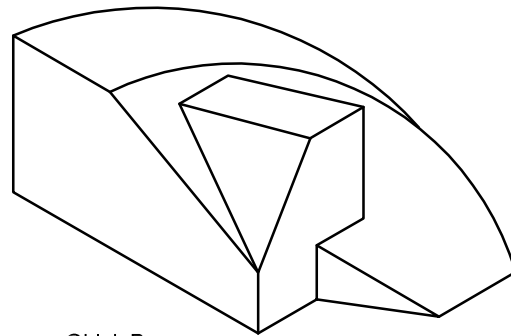
TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

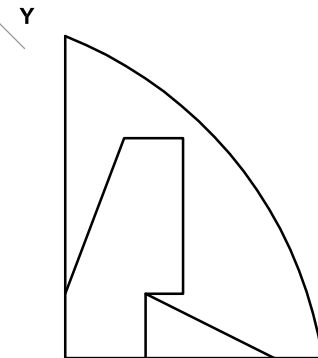
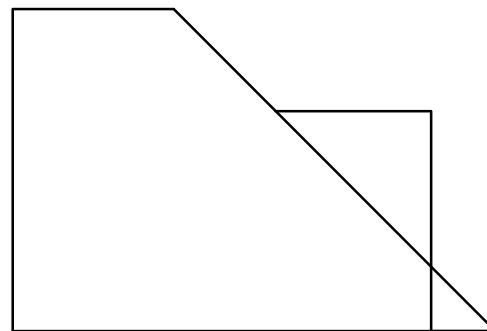


8. Rajah 8 menunjukkan dua pandangan Objek B. Unjurkan pandangan tambahan pada satah XY. Butiran terlindung tidak perlu dilukis. [20 markah]

8. Figure 8 shows two views of Object B. Project an auxiliary view on the plane XY. Do not draw hidden details. [20 marks]



Objek B
Object B



i	
ii	
iii	
iv	

Rajah 8
Figure 8

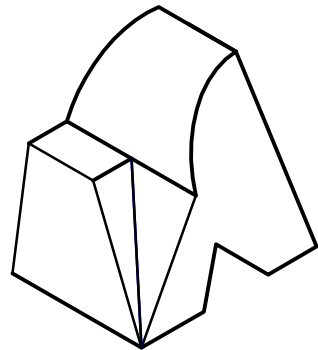
NAMA:

3759/1 LUKISAN KEJURUTERAAN

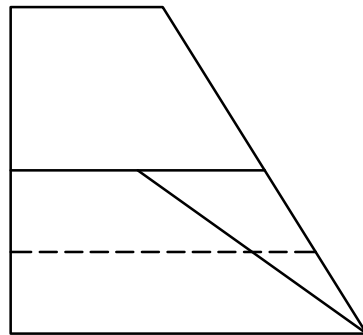


- 6 Rajah 6 menunjukkan dua pandangan bagi objek B.
Unjurkan pandangan tambahan kelebaran pada satah XY.
Butiran terlindung perlu ditunjukkan.

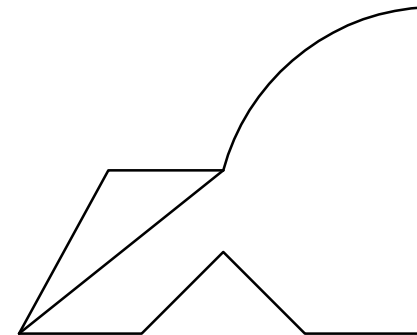
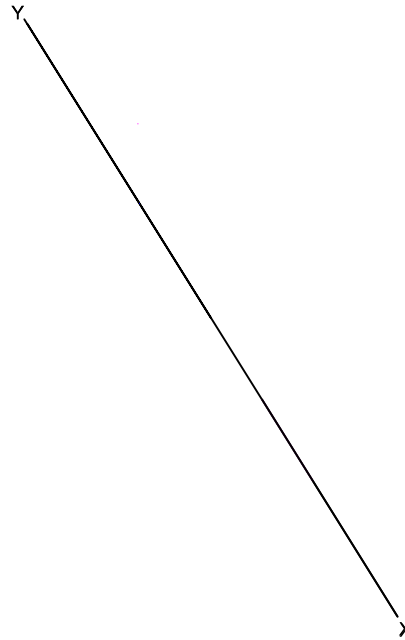
[20 markah]



Object B



Pandangan
Sisi



Pandangan Hadapan

i	
ii	
iii	
iv	
v	

Rajah 6

NAMA :

TINGKATAN :

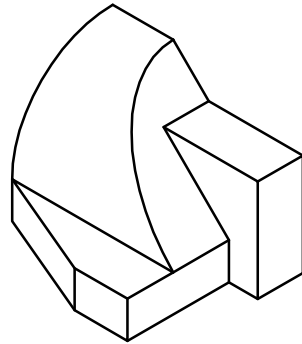
3759/1 LUKISAN KEJURUTERAAN

SULIT

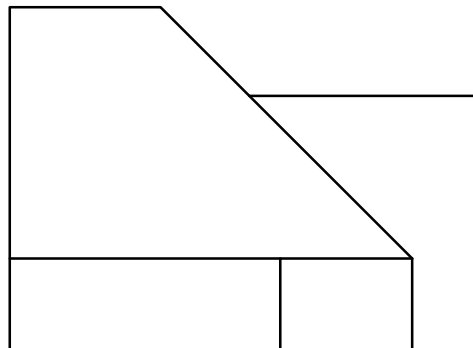
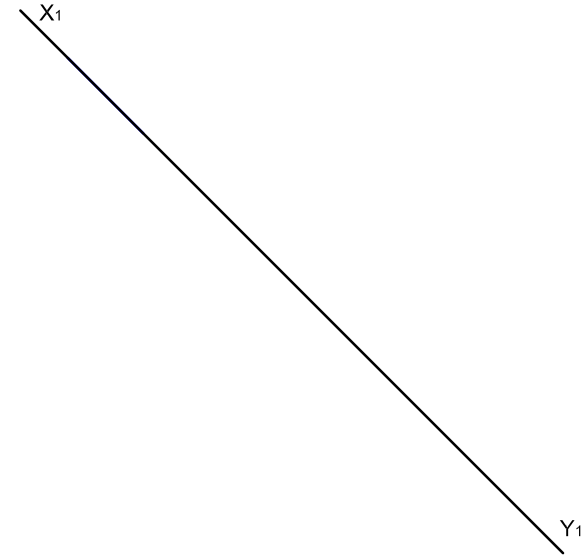
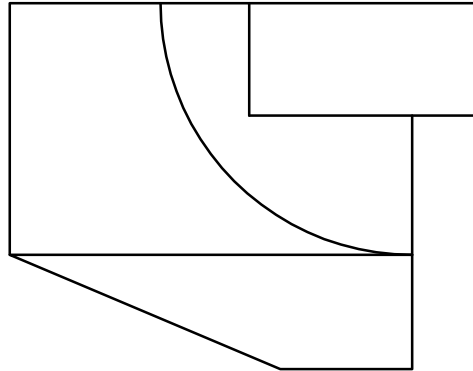
7

6. Rajah 6 menunjukkan dua pandangan bagi objek B.
Unjurkan pandangan tambahan kedalamannya pada satah X_1Y_1 .
Butiran terlindung tidak perlu dilukis.

[20 markah]



Objek B



Rajah 6

i	
ii	
iii	

NAMA :

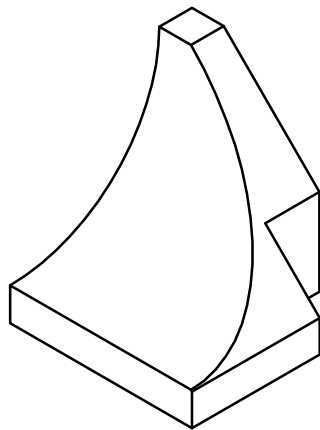
TINGKATAN :

SULIT

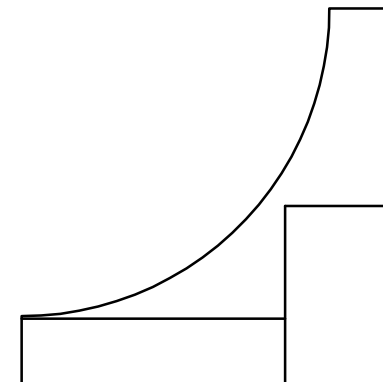
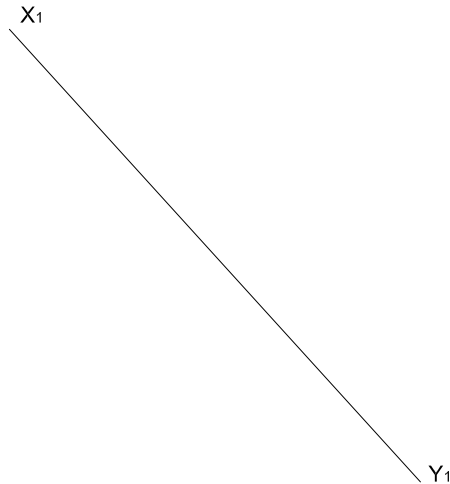
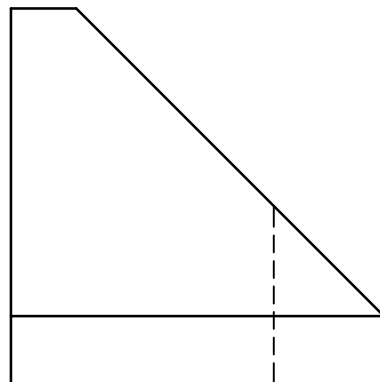
7

6. Rajah 6 menunjukkan dua pandangan bagi Objek B.
 Unjurkan pandangan tambahan pada satah X_1Y_1 .
 Butiran terlindung hendaklah dilukis. [20 markah]

6. Figure 6 shows two views of Object B.
 Project an auxiliary view on the plane X_1Y_1 .
 Shows the hidden details. [20 marks]



Objek B
Object B



Rajah 6
Figure 6

i	
ii	
iii	

NAMA :

TINGKATAN :

JPNT

3759 /1

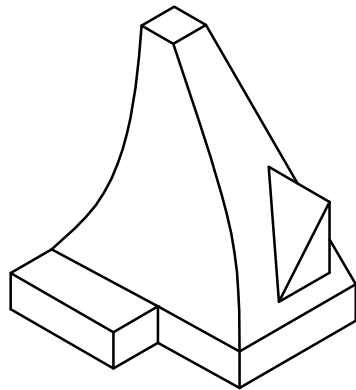
Lihat sebelah /.....



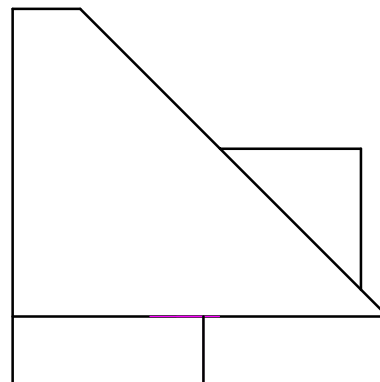
6. Figure 6 shows two views of object B.
Project an auxiliary view on the plane X_1Y_1 .
Do not show the hidden details.

*Rajah 6 menunjukkan dua pandangan bagi objek B.
Unjurkan pandangan tambahan pada satah X_1Y_1 .
Butiran terlindung tidak perlu dilukis.*

[20 marks]
[20 markah]



Object B
Objek B



X_1

Y_1

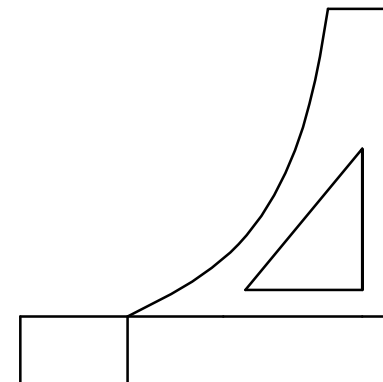


Figure 6
Rajah 6

i	
ii	
iii	

NAMA :

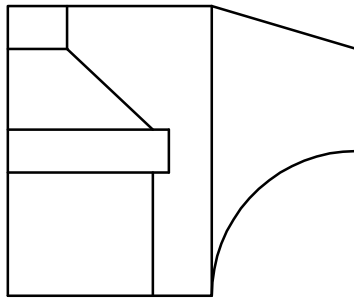
TINGKATAN :

6. Project a depth auxilliary view on $X_1 - Y_1$ plane. All Hidden detail need not be shown.

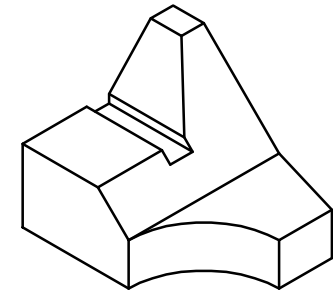
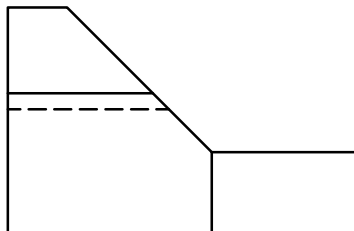
(20 Marks)

Unjurkan pandangan tambahan kedalam pada satah $X_1 - Y_1$.
Butiran terlindung tidak perlu dilukis.

[20 Markah]



X_1
 Y_1



OBJE B
OBJECT B

6. Rajah 6 menunjukkan dua pandangan Objek B. Unjurkan pandangan tambahan pada satah X1Y1.
Butiran terlindung tidak perlu dilukis.

[20 markah]

*Figure 6 shows two views of an object B. Project an auxiliary view on the plane X1Y1.
Do not draw hidden details.*

[20 marks]

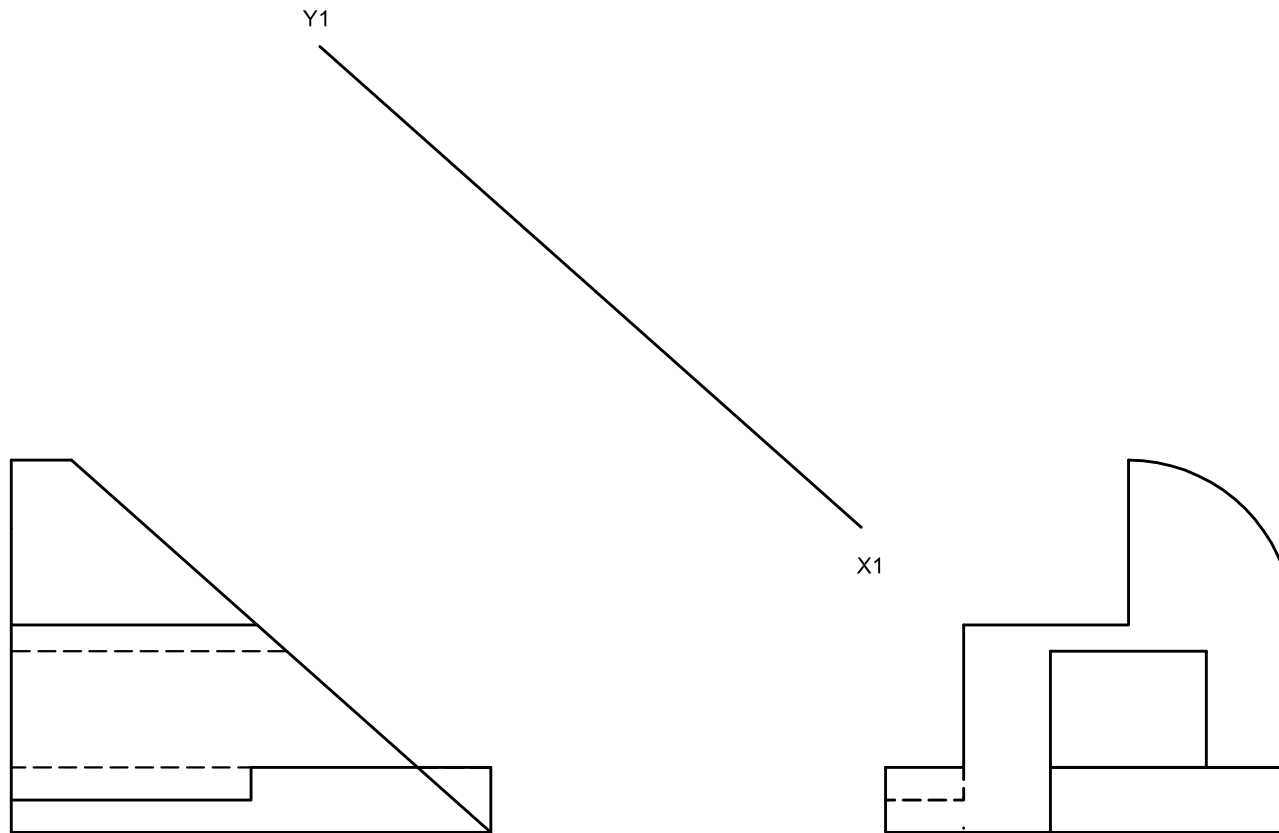
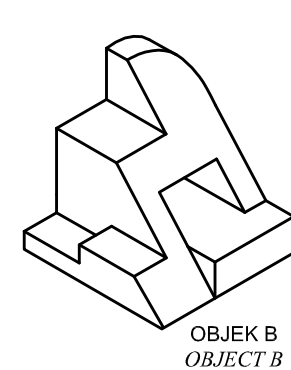


FIGURE 6
RAJAH 6

i	
ii	
iii	

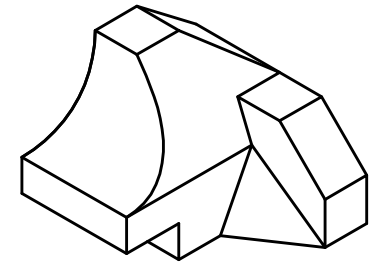


7. Figure 7 shows two views of object B.
Project an auxiliary view on the plane XY
Do not draw hidden details.

[20 marks]

Rajah 7 menunjukkan dua pandangan bagi objek B.
Unjurkan pandangan tambahan pada satah XY.
Butiran terlindung tidak perlu dilukis.

[20 markah]



Object B
Objek B

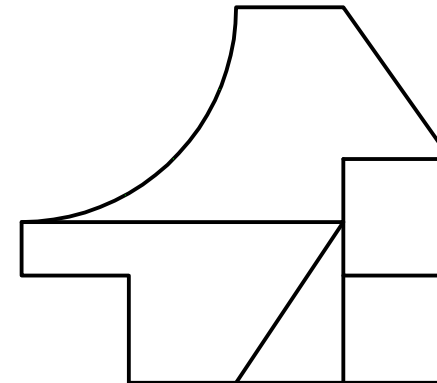
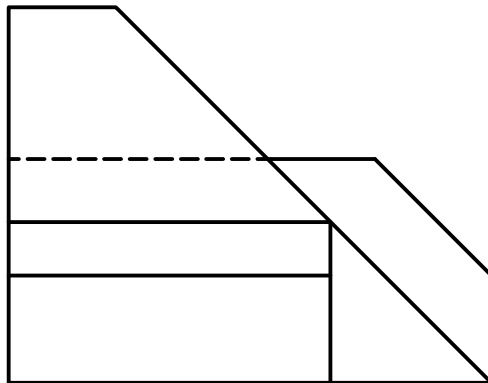
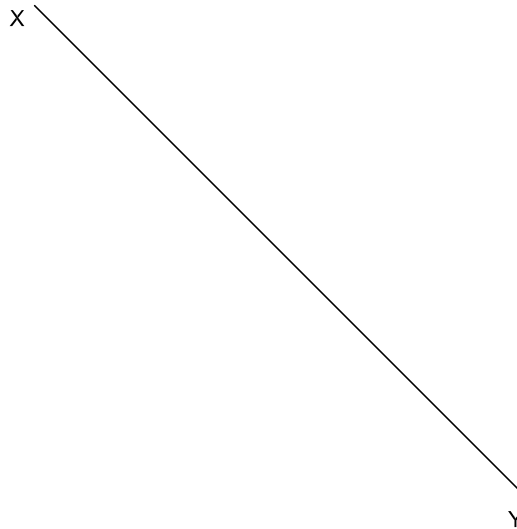


Figure 7
Rajah 7

i	
ii	
iii	
iv	
v	
vi	
vii	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN



6. Figure 6 shows an orthographic drawing of an object.
Draw isometric view of the object. The grid size is 10 mm x 10 mm.
Direction of the view is as shown.
Hidden details not to be drawn.

[20 marks]

6. *Rajah 6 menunjukkan lukisan ortografik bagi satu objek.
Lukis pandangan isometri bagi objek itu.
Saiz petak grid ialah 10 mm x 10 mm.
Arah pandangan adalah seperti ditunjukkan.
Butiran terlindung tidak perlu dilukis.*

[20 markah]

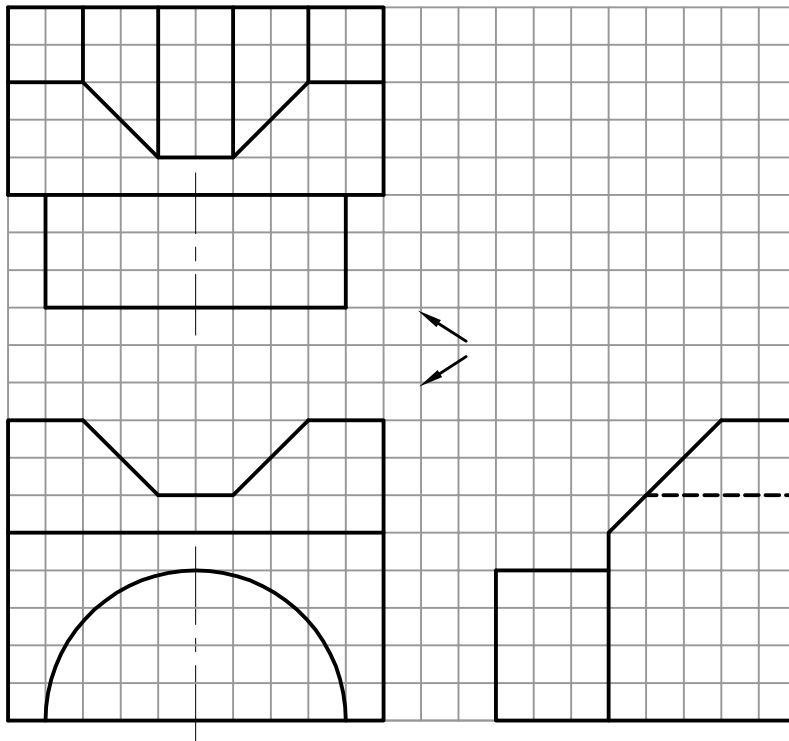


Figure 6
Rajah 6

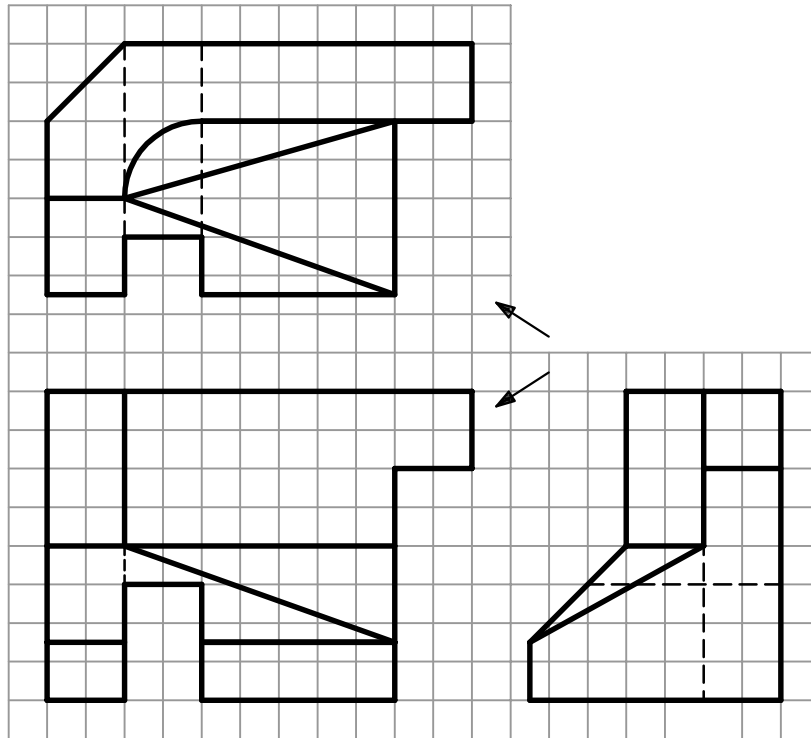
i	
ii	
iii	
iv	
v	
vi	
vii	

NAME :

FORM :

6. Rajah 6 menunjukkan tiga pandangan bagi satu objek.
Lukis saiz penuh pandangan isometri bagi objek itu pada arah yang ditunjukkan.
Saiz petak grid ialah 10mm x 10mm.
Butiran terlindung tidak perlu ditunjukkan.
- (20 markah)

6. Figure 6 shows three views of an object.
Draw in full size the isometric view of the object in the direction of the arrow shown.
The size of the grid is 10mm X 10mm.
Do not show hidden details.
- (20 marks)



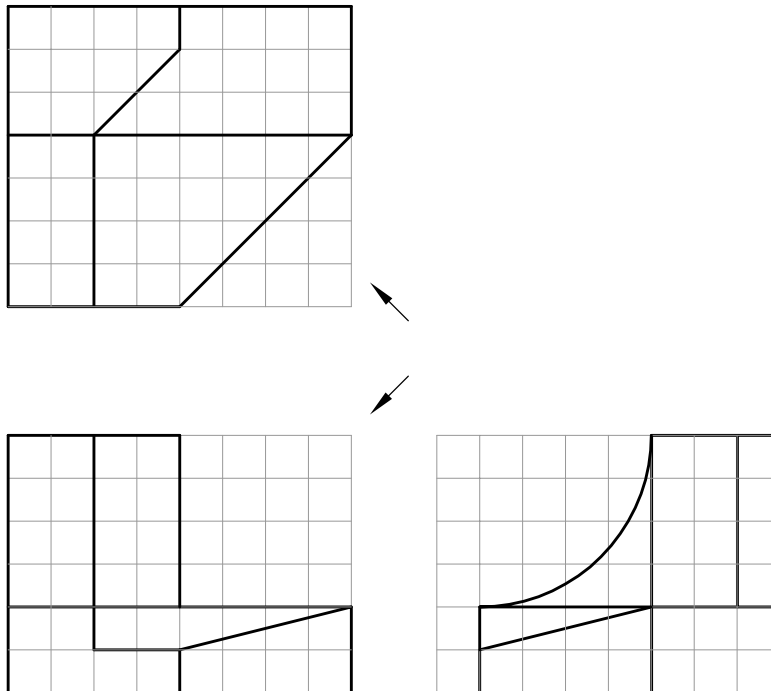
RAJAH 6
FIGURE 6

i	
ii	
iii	
iv	
v	



6. Figure 6 shows an orthographic projection of an object.
Draw a full size isometric view of the object in the direction of arrow shown.
The size of grid is 10mm x 10mm.
Do not show hidden details. [20 marks]

6. Rajah 6 menunjukkan unjuran ortografik bagi objek.
Lukiskan mengikut skala saiz penuh pandangan isometri bagi objek itu.
Arah pandangan adalah seperti yang ditunjukkan.
Saiz petak grid ialah 10mm x 10mm.
Butiran terlindung tidak perlu dilukis. [20 markah]



Rajah 6
Figure 6

i	
ii	
iii	
iv	

NAMA :

KURSUS :

Lihat sebelah /....

6. Figure 6 shows two views of an object.
 Draw in full size the isometric view of the object
 in the direction of the arrows.
 The size of the grid is 10mm x 10mm.
 Do not show hidden details.

[20 marks]

6. Rajah 6 menunjukkan dua pandangan bagi sebuah objek.
 Lukiskan dalam saiz penuh lukisan isometri bongkah tersebut
 mengikut arah anak panah yang ditunjukkan.
 Saiz petak grid ialah 10mm x 10mm.
 Butiran terlindung tidak perlu ditunjukkan.

[20 markah]

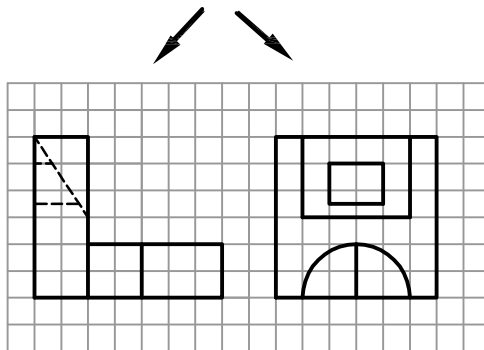


Figure 6
 Rajah 6

i	
ii	
iii	
iv	
v	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN



6. Figure 6 shows three views of an object.
 Draw a full size isometric drawing of the object of arrow shown.
 The grid size is 10 mm x 10 mm.
 Hidden details need not be shown.

[20 marks]

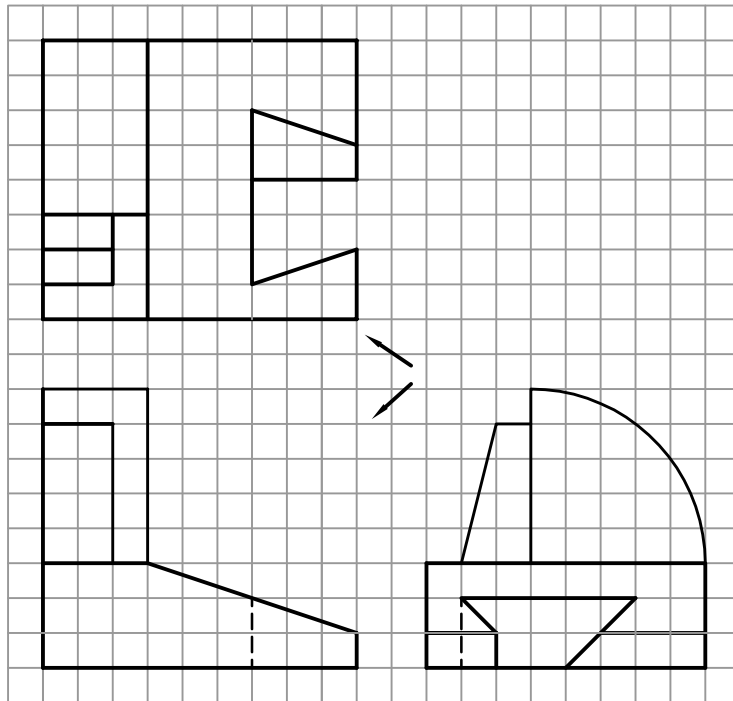


FIGURE 6

i	
ii	
iii	
iv	

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN



6. Figure 6 shows three views of a block.
Draw in full size the isometric view of the block
in the direction of the arrow shown.
The size of the grid is 10 mm x 10 mm.
Hidden details need not be shown.
6. Rajah 6 menunjukkan tiga pandangan bagi satu bongkah.
Lukiskan saiz penuh pandangan isometrik bagi bongkah itu
mengikut arah pandangan yang ditunjukkan.
Saiz petak grid ialah 10 mm x 10 mm.
Butiran terlindung tidak perlu ditunjukkan.

[20 marks]
[20 markah]

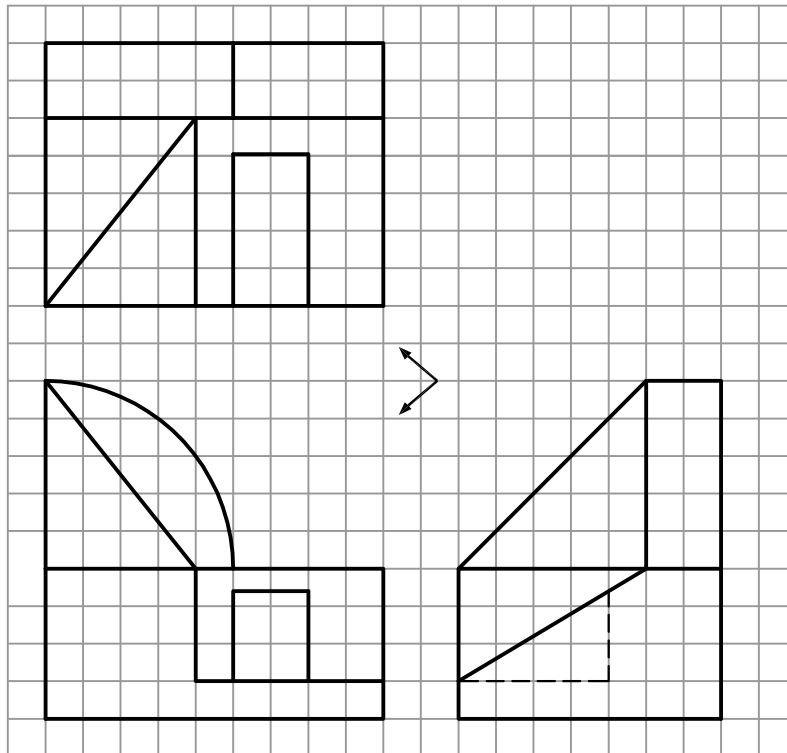


Figure 6
Rajah 6

i	
ii	
iii	
iv	

ANGKA GILIRAN :

NO. KAD PENGENALAN :

3759/1 LUKISAN KEJURUTERAAN

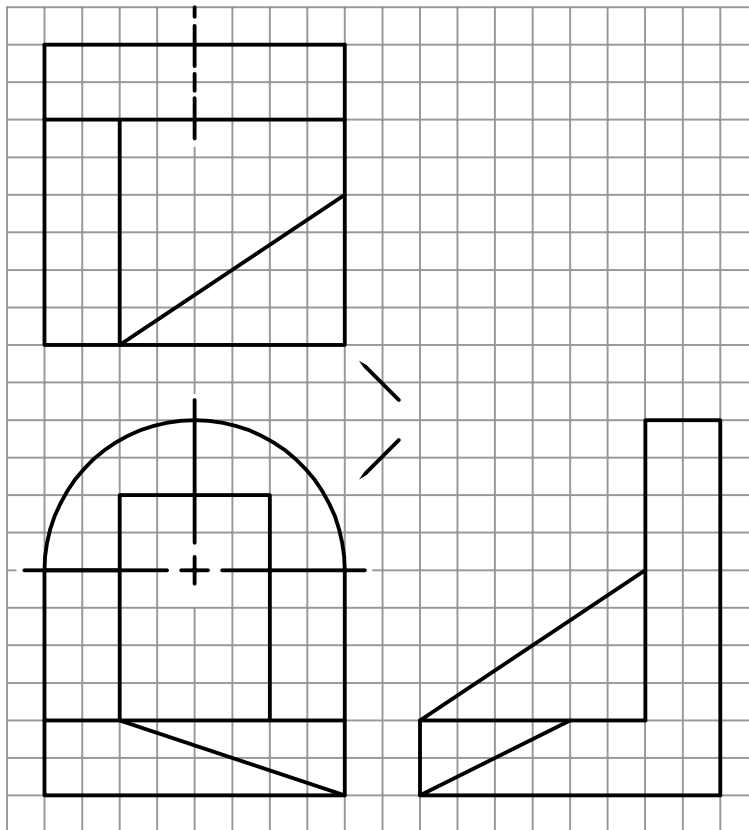
[Lihat sebelah
SULIT

6. Rajah 6 menunjukkan tiga pandangan bagi sebuah blok.
Lukiskan mengikut skala saiz penuh pandangan isometri biasa bagi blok tersebut pada arah pandangan seperti yang ditunjukkan. Saiz petak grid ialah 10 mm x 10 mm.
Butiran terlindung tidak perlu ditunjukkan.

[20 markah]

6. Figure 6 shows three views of a shaped block.
Draw in a full size the isometric view of the block in the direction of the arrow shown.
The size of grid is 10 mm x 10 mm.
Do not shown hidden details

[20 marks]



NAMA:

3759/1 LUKISAN KEJURUTERAAN

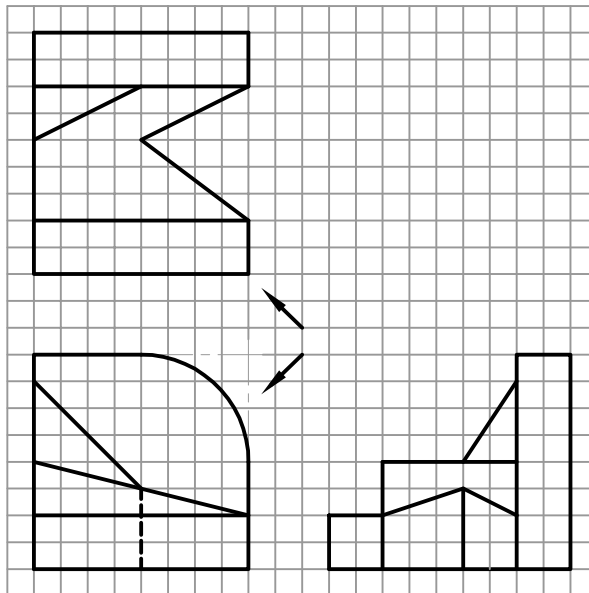
[Lihat sebelah

6. Rajah 6 menunjukkan tiga pandangan bagi satu objek.
Lukiskan saiz penuh pandangan isometri bagi objek itu pada arah pandangan yang ditunjukkan.
Saiz petak grid ialah 10 mm x 10 mm.
Butiran terlindung tidak perlu ditunjukkan.

[20 markah]

6. Figure 6 shows three views of an object.
Draw in full size the isometric view of the object in the directions shown.
The size of the grid is 10 mm x 10 mm.
Do not show hidden details.

[20 marks]



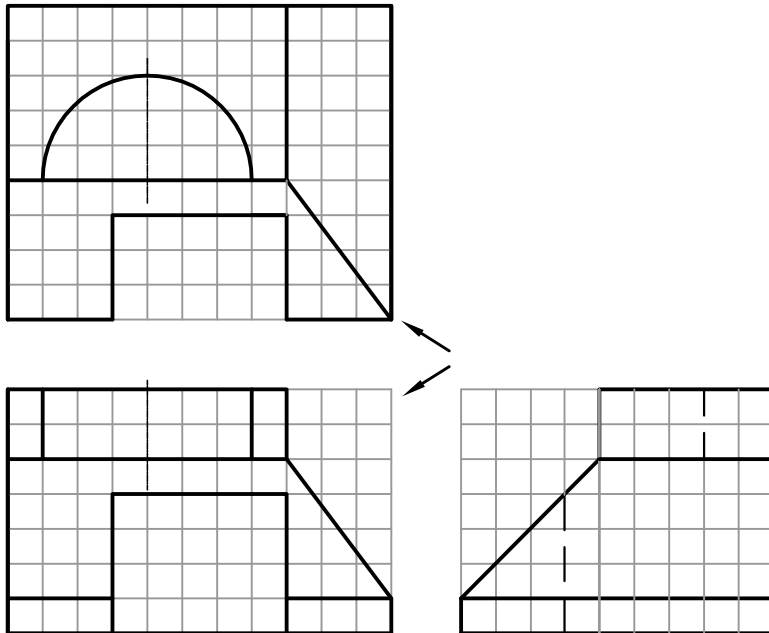
Rajah 6
Figure 6

i	
ii	
iii	
iv	
v	



6. Rajah 6 menunjukkan tiga pandangan bagi sebuah bongkah. Lukiskan mengikut skala saiz penuh pandangan isometri bagi bongkah tersebut. Arah pandangan adalah seperti yang ditunjukkan. Saiz petak grid ialah 10 mm x 10 mm. Butiran terlindung tidak perlu ditunjukkan.
6. Figure 6 shows three views of a shaped block. Draw a full size isometric view of the block in the direction of the arrows shown. The size of grid is 10 mm x 10 mm. Do not show any hidden details.

[20 markah / 20 marks]



RAJAH 6
FIGURE 6

NAMA:

3759/1 LUKISAN KEJURUTERAAN



6. Figure 6 show three views of an object.
Draw a full size isometric drawing of the object based on arrow as shown.
The grid size is 10 mm x 10 mm.
Hidden details need not be shown.

Rajah 6 menunjukkan tiga pandangan bagi sebuah objek.
Lukis saiz penuh pandangan isometri bagi bongkah itu mengikut arah anak panah yang ditunjukkan.
Saiz petak grid ialah 10 mm x 10 mm.
Butiran terlindung tidak perlu dilukis.

[20 marks]
[20 markah]

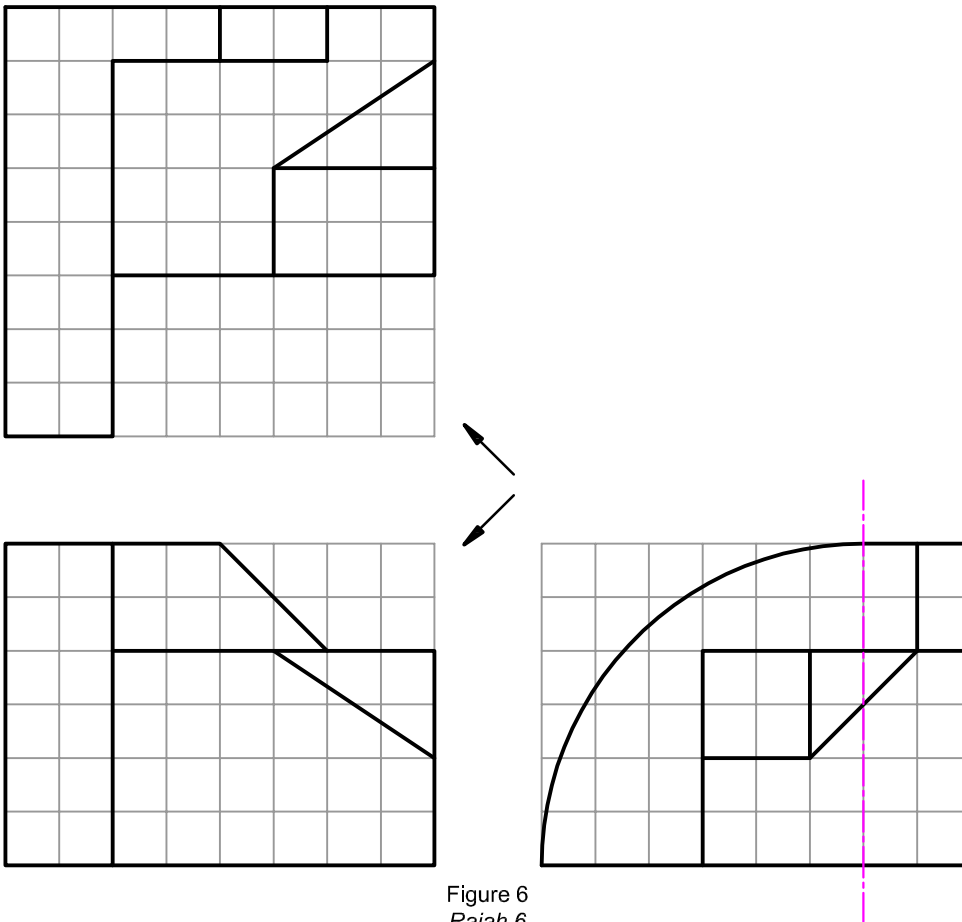


Figure 6
Rajah 6

i	
ii	
iii	
iv	



8. Figure 8 shows three views of an object.
 Draw a full size the oblique cavalier of the object.
 The grid size is 10 mm x 10 mm.
 Choose the suitable orientation which reveal most details.
 Do not show hidden details.

[20 marks]

*Rajah 8 menunjukkan tiga pandangan bagi sebuah objek..
 Lukiskan dalam saiz penuh lukisan oblik kavalier bongkah tersebut.
 Saiz petak grid ialah 10 mm x 10 mm.
 Pilih orientasi yang paling sesuai.
 Butiran terlindung tidak perlu ditunjukkan.*

[20 markah]

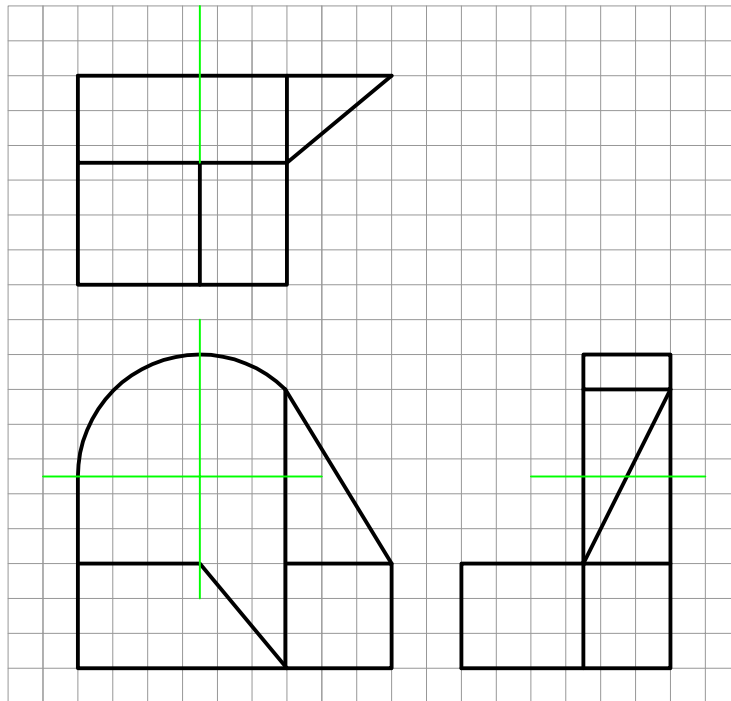


Figure 8
 Rajah 8

i	
ii	
iii	
iv	

NAMA:

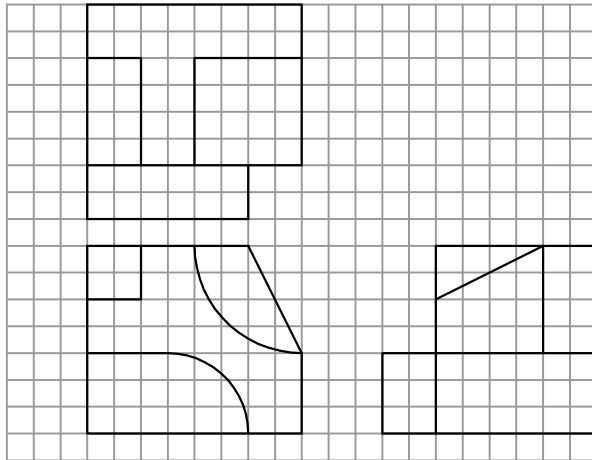
TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN



6. Rajah 6 menunjukkan unjuran orthografik bagi satu blok.
 Lukis saiz penuh pandangan oblik kabinet berdasarkan orientasi yang sesuai .
 Saiz petak grid ialah 10mm x 10mm. Butiran terlindung tidak perlu ditunjukkan.

*Figure 6 shows orthographic elevation of a shaped block.
 Draw in full size the oblique cabinet of the block.
 The size of the grid is 10mm x 10mm. Do not show hidden details.*



i	
ii	
iii	
iv	
v	
vi	
vii	

NAMA :

TINGKATAN :

6. Figure 6 shows three views of a block.
Draw a full size oblique cavalier view of the block.
The size of the grid is 10 mm x 10 mm.
Choose the orientation which will reveal the most detail.
Hidden details need not be shown.

[20 marks]

Rajah 6 menunjukkan tiga pandangan bagi satu bongkah.
Lukiskan saiz penuh pandangan oblik kavalier bagi bongkah itu.
Saiz petak grid ialah 10 mm x 10 mm.
Pilih orientasi supaya dapat menunjukkan butiran terperinci.
Butiran terlindung tidak perlu ditunjukkan.

[20 markah]

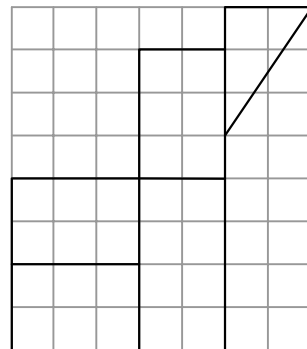
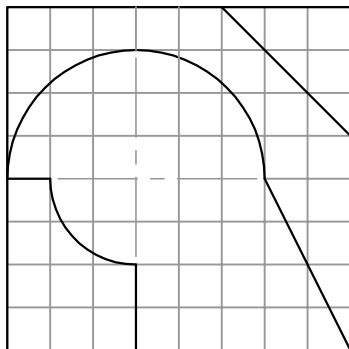
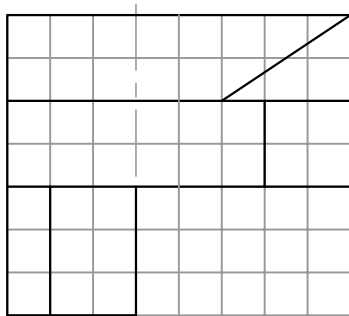


Figure 6
Rajah 6

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

6. Figure 6 shows two views of a block. Draw in full scale for oblique cavalier drawing for the block. The grid size is 10 mm x 10 mm. Choose the orientation which will reveal the most detail. Hidden detail need not be shown.

[20 marks]

Rajah 6 menunjukkan dua pandangan bagi satu bongkah. Lukis pada skala penuh lukisan oblik kavalier bagi bongkah tersebut. Saiz petak grid ialah 10 mm x 10 mm. Pilih orientasi yang sesuai supaya dapat menunjukkan butiran terperinci. Butiran terlindung tidak perlu ditunjukkan.

[20 markah]

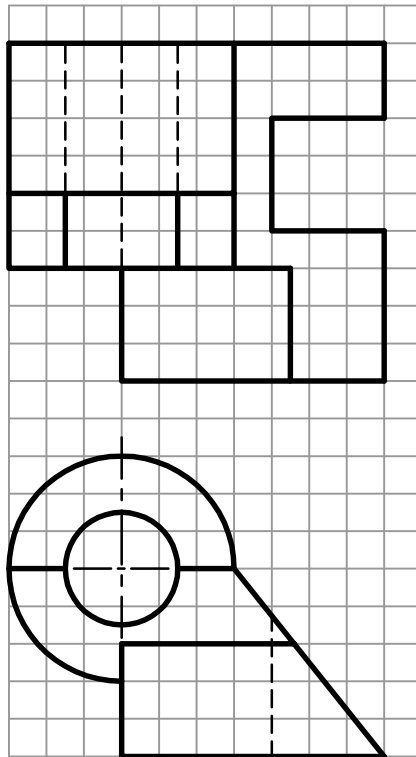


FIGURE 6
RAJAH 6

i	
ii	
iii	
iv	
v	



6. Figure 6 shows three views of an object.
 Draw in full size the cabinet oblique of the object.
 Choose the suitable orientation which will reveal the most detail.
 The size of the grid is 10 mm x 10 mm.
 Do not show any hidden details.

*Rajah 6 menunjukkan tiga pandangan bagi satu objek.
 Lukiskan saiz penuh oblik kabinet bagi objek tersebut.
 Pilih orientasi yang sesuai supaya dapat menunjukkan butiran terperinci.
 Saiz petak grid ialah 10 mm x 10 mm.
 Butiran terlindung tidak perlu dilukis.*

[20 marks]
 [20 markah]

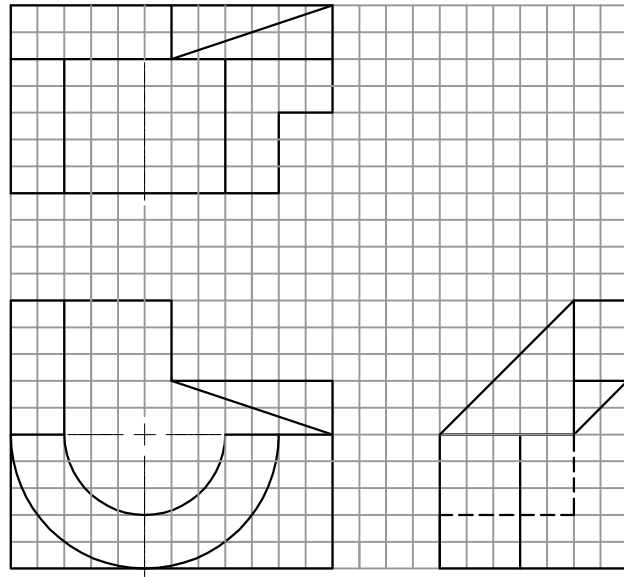


Figure 6
 Rajah 6

i	
ii	
iii	
iv	
v	

NAMA :

TINGKATAN :



8. Figure 8 shows three views of a shaped block.
 Draw in full size the oblique cavalier view of the block.
 Choose the most suitable orientation.
 The size of the grid is 10mm X 10mm. Do not show hidden details.

[20 Marks]

*Rajah 8 menunjukkan tiga pandangan bagi satu bongkah.
 Lukis saiz penuh pandangan oblik kavalier bagi bongkah tersebut.
 Pilih orientasi terbaik. Saiz petak grid ialah 10mm x 10mm.
 Butiran terlindung tidak perlu di tunjukkan.*

[20 markah]

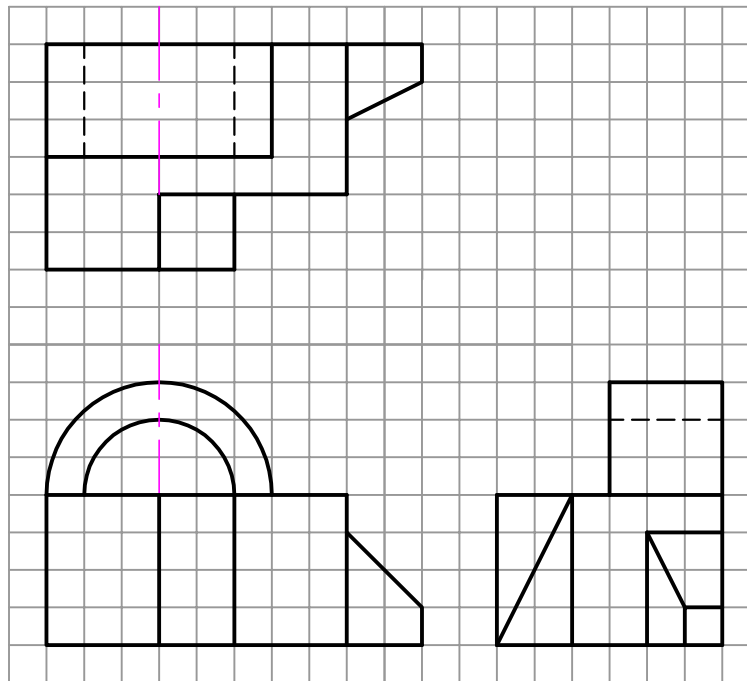


Figure 8
 Rajah 8

i	
ii	
iii	
iv	

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

6. Figure 6 shows three orthographic views of a block.
Draw in full size the oblique cabinet view of the block.
The size of the grid is 10 mm x 10 mm.
Do not draw hidden details.

*Rajah 6 menunjukkan tiga pandangan orthografik bagi sebuah bongkah.
Lukis saiz penuh pandangan oblik kabinet bagi bongkah itu .
Saiz petak grid adalah 10 mm x 10 mm.
Butiran terlindung tidak perlu dilukis.*

[20 marks]
[20 markah]

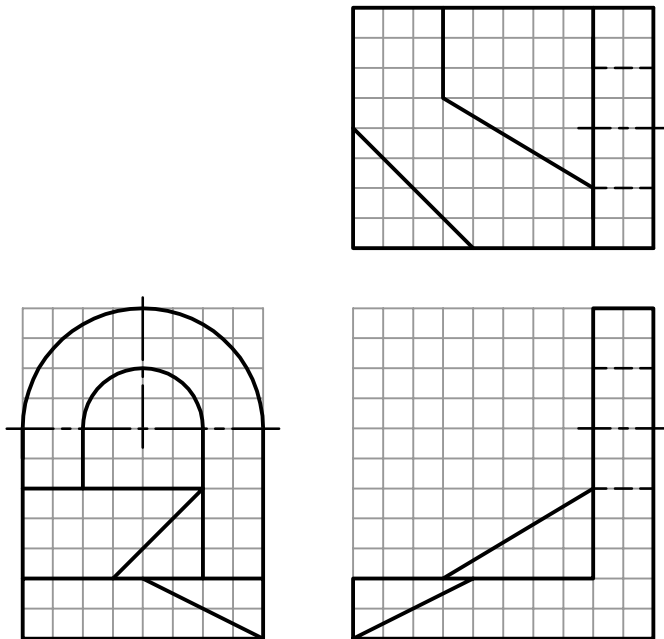


Figure 6
Rajah 6

i	
ii	
iii	

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN



6. Figure 6 show three view of a block. Draw full size view of the block in oblique cavalier drawing. The grid size is 10 mm x 10 mm. Choose the suitable orientation which will reveal the most detail. Do not draw hidden details. [20 Marks]

6. Rajah 6 menunjukkan tiga pandangan bagi satu bongkah. Lukis saiz penuh lukisan oblik kavalier bagi bongkah itu. Saiz petak grid 10 mm x 10 mm . Pilih orientasi yang sesuai supaya dapat menunjukkan butiran terperinci. Butiran terlindung tidak perlu dilukis [20 Markah]

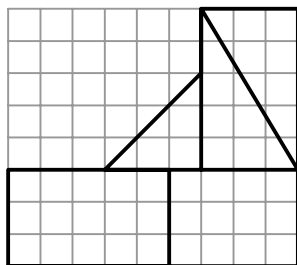
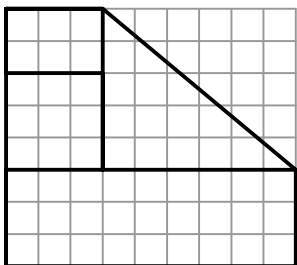
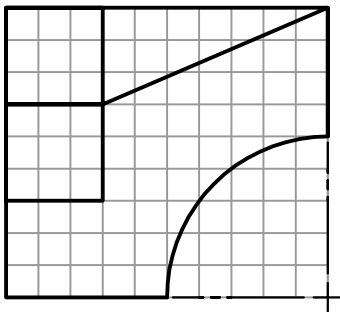


Figure 6
Rajah 6

i	
ii	
iii	
iv	

NAME:

FORM:

3759/1 LUKISAN KEJURUTERAAN



6. Figure 6 shows three views of an object.
 Draw a full size the oblique cabinet of the object.
 The grid size is 10 mm x 10 mm.
 Choose the suitable orientation which reveal most details.
 Do not show hidden details.

[20 marks]

*Rajah 6 menunjukkan tiga pandangan bagi sebuah objek..
 Lukiskan dalam saiz penuh lukisan oblik kabinet bongkah tersebut.
 Saiz petak grid ialah 10 mm x 10 mm.
 Pilih orientasi yang paling sesuai.
 Butiran terlindung tidak perlu ditunjukkan.*

[20 markah]

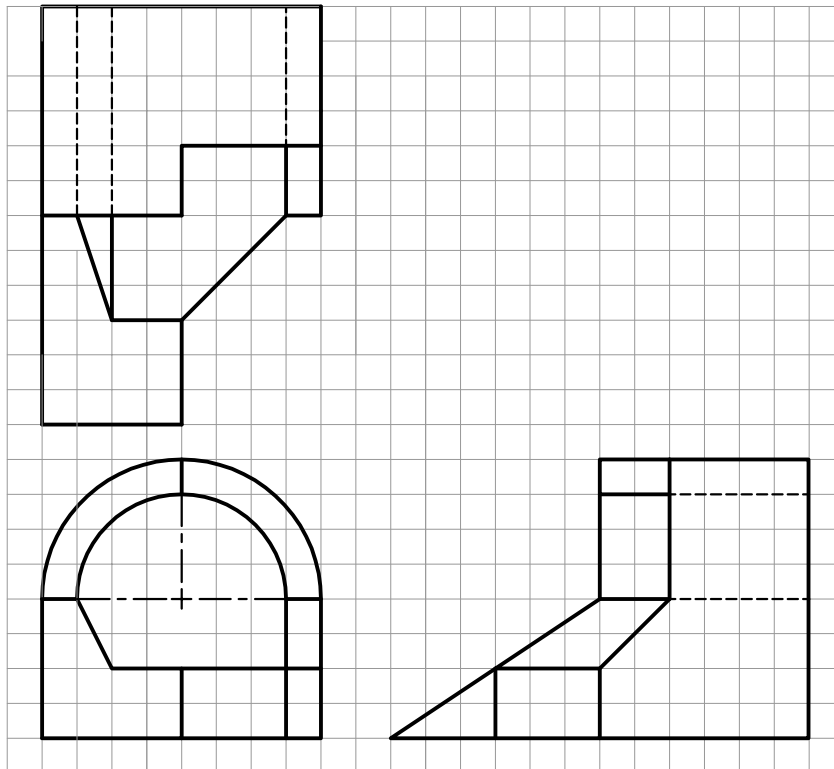


Figure 6
 Rajah 6

i	
ii	
iii	

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

[Lihat sebelah
 SULIT]



6. Figure 6 shows three views of a block.
 Draw full size view of the block in oblique cabinet drawing.
 The grid size is 10 mm x 10 mm.
 Choose the suitable orientation which will reveal the most detail.
 Do not draw hidden details.

Rajah 6 menunjukkan tiga pandangan bagi satu bongkah.

Lukis saiz penuh oblik kabinet bagi bongkah itu.

Saiz petak grid ialah 10mm x 10mm.

Pilih orientasi yang sesuai supaya dapat menunjukkan butiran terperinci.

Butiran terlindung tidak perlu dilukis.

[20 marks]

[20 markah]

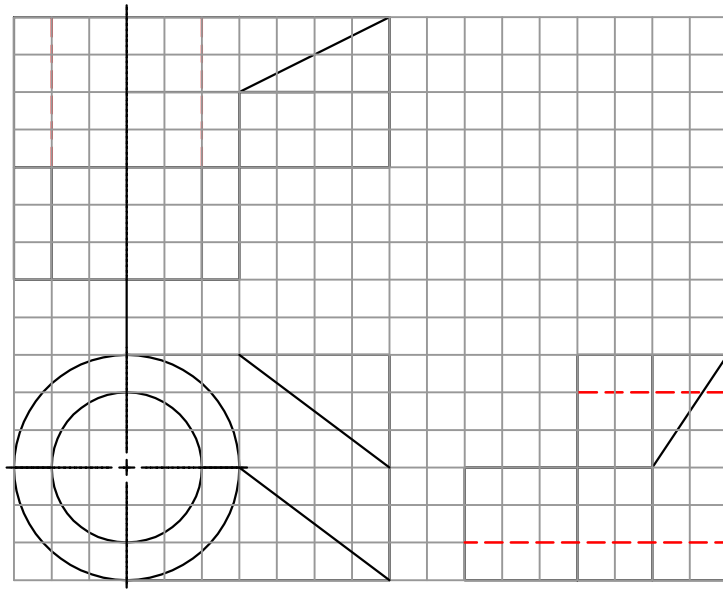


Figure 6
Rajah 6

i	
ii	
iii	
iv	
v	

NAMA :

TINGKATAN :

[Lihat halaman sebelah]

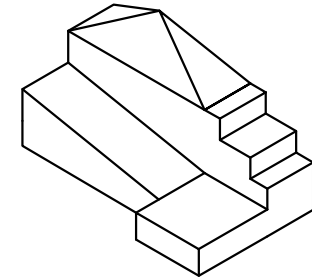
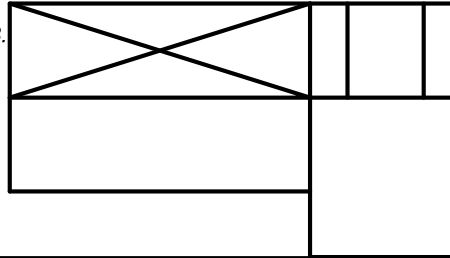


7. Figure 7 shows the top view and the side view of object B.
Draw an one-point perspective view of the given object.
The position of picture plane (PP), horizon line (HL),
ground line (GL), station point (SP) and the orientation
of the top view are given.
Do not show hidden details.

[20 marks]

7. Rajah 7 menunjukkan pandangan atas dan pandangan sisi bagi objek B.
Lukiskan pandangan perspektif satu titik bagi objek itu.
Kedudukan satah gambar (SG), garis ufuk (GU), garis bumi (GB),
titik stesen (TS) serta orientasi pandangan atas seperti ditetapkan.
Butiran terlindung tidak perlu dilukiskan.

[20 markah]

OBJEK B
OBJECT BPP
SGHL
GU+
SP
TSGL
GBFIGURE 7
RAJAH 7

i	
ii	
iii	
iv	
v	
vi	
vii	

NAME :

FORM :

3759 / 1 ENGINEERING DRAWING



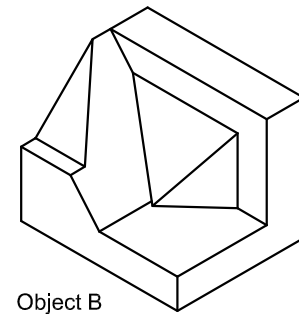
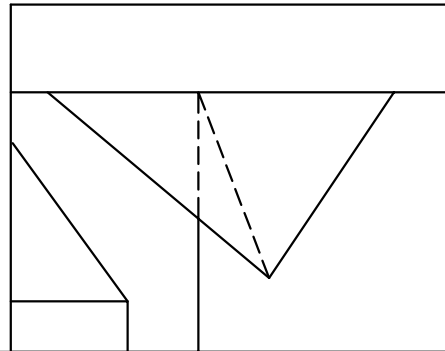
7. Figure 7 shows a top view and a front view of an object B. The picture plane (PP), horizon line (HL), ground line (GL), station point (SP) and the orientation of the top view are given. Draw a one-point perspective view of the object. Do not show hidden details.

[20 marks]

7. Rajah 7 menunjukkan pandangan atas dan pandangan hadapan bagi objek B. Kedudukan satah gambar (SG), garis ufuk (GU), garisan bumi (GB), titik stesen (TS) serta orientasi pandangan atas seperti ditetapkan. Lukis pandangan perspektif satu titik bagi objek itu. Butiran terlindung tidak perlu dilukis.

[20 markah]

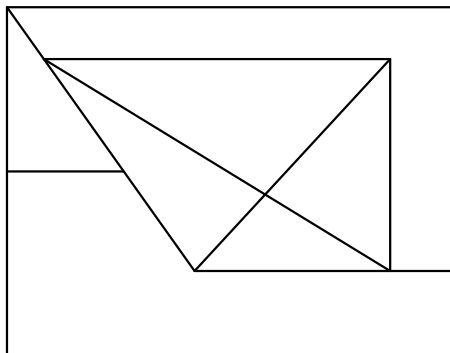
Top View
Pandangan Atas



Object B
Objek B

SG
PP

GU
HL



Front View
Pandangan Hadapan

Figure 7
Rajah 7

+ TS
SP

GB
GL

i	
ii	
iii	
iv	
v	
vi	
vii	

NAME :

FORM :

7. Rajah 7 menunjukkan pandangan atas dan pandangan sisi bagi objek E

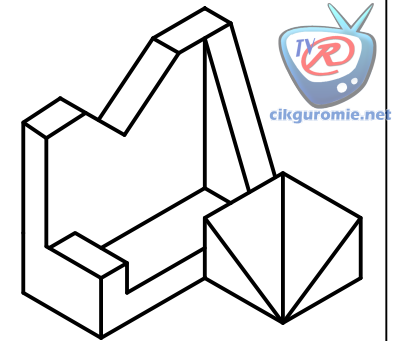
Lukiskan pandangan perspektif satu titik bagi objek itu. Kedudukan satah gambar (SG), garis bumi (GB), titik stesen (TS) serta orientasi pandangan atas seperti ditetapkan. Butiran terlindung tidak perlu dilukis.

[20 markah]

Figure 7 shows a top view and front view of object E

Draw a one-point perspective view of the given object. The picture plane (PP), horizontal line (HL), ground line (GL), station point (SP) and the orientation of the top view are given. Do not show hidden details.

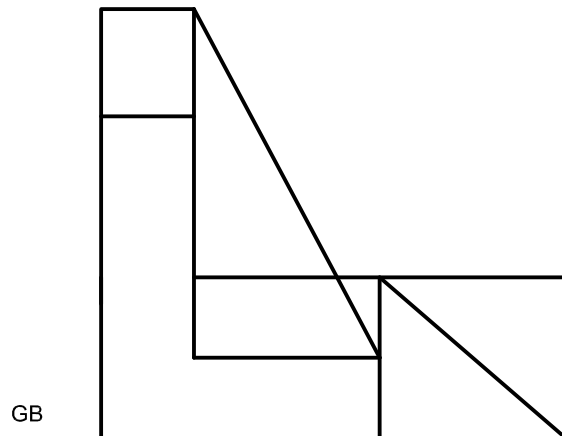
[20 marks]



OBJEK E
OBJECT E.

SG

GU



GB

+
TS

RAJAH 6
FIGURE 7

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

Modul Pecutan Akhir Lukisan Kejuruteraan

7. RAJAH 7 menunjukkan dua pandangan bagi objek B.
Lukiskan pandangan perspektif satu titik bagi objek itu.
Kedudukan satah gambar (SG), garis ufuk (GU), garis bumi (GB),
titik stesen (TS) serta orientasi pandangan atas telah diberi.
Butiran terlindung tidak perlu ditunjukkan.

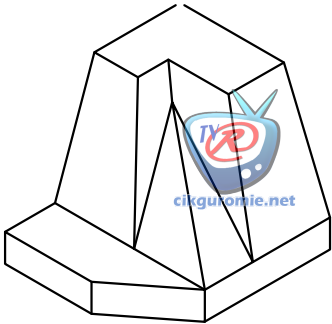
[20 Markah]

7. FIGURE 7 shows the top view and the front view of object B.
Draw a one-point perspective view of the object.
The picture plane (PP), horizon line (HL), ground line (GL),
station point (SP) and orientation of the top view are given.
Hidden details need not be shown.

[20 marks]

PERSPEKTIF

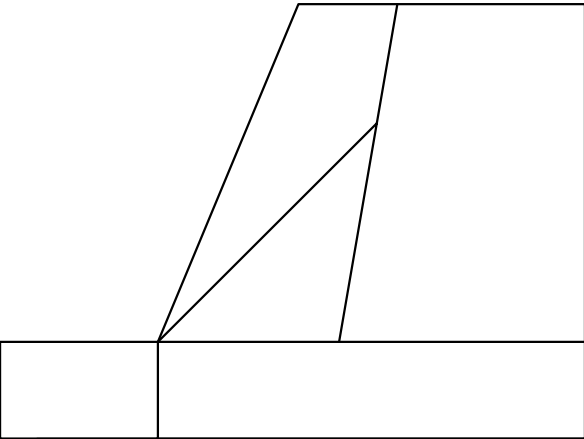
Pandangan Atas
Top View



OBJEK B
OBJECT B

SG
PP

GU
HL



Pandangan Hadapan
Front View

TS
SP

i	
ii	
iii	
iv	
v	
vi	
vii	

GB
GL

7. Figure 7 shows the top view and side view of object B.
 Draw a one-point perspective view of the given object.
 The picture plane (PP), horizon line (HL), ground line (GL), station point (ST) and the orientation of top view are given.
 Do not show hidden details.

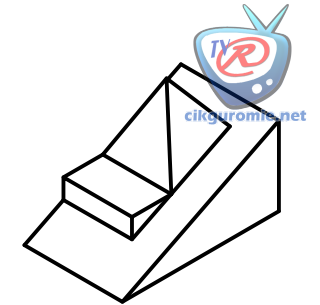
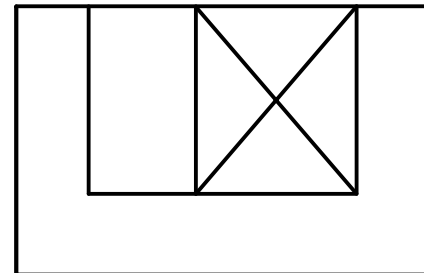
Rajah 7 menunjukkan pandangan atas dan pandangan sisi bagi objek B.

Lukiskan pandangan perspektif satu titik bagi objek itu.

Kedudukan satah gambar (SG), garis ufuk (GU), garis bumi (GB), titik stesen (TS) serta orientasi pandangan atas seperti ditetapkan.

Butiran terlindung tidak perlu dilukis.

[20 marks]
 [20 markah]

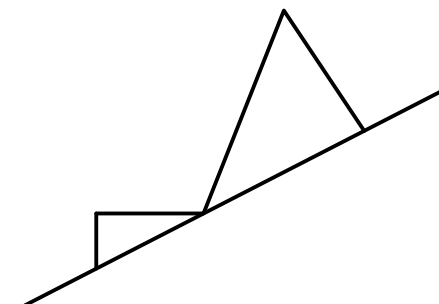


Object B
 Objek B

PP
 SG

HL
 GU

GL
 GB
 SP
 TS



i	
ii	
iii	
iv	
v	
vi	
vii	

Figure 7
 Rajah 7

7. Figure 7 shows the top view and front view of an object C.
 Draw a two-point perspective view of given object.
 The position of picture plane (PP), horizon line (HL), ground line (GL), station point (SP) and the orientation of the top view are given.
 Do not draw hidden details

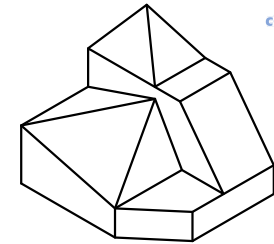
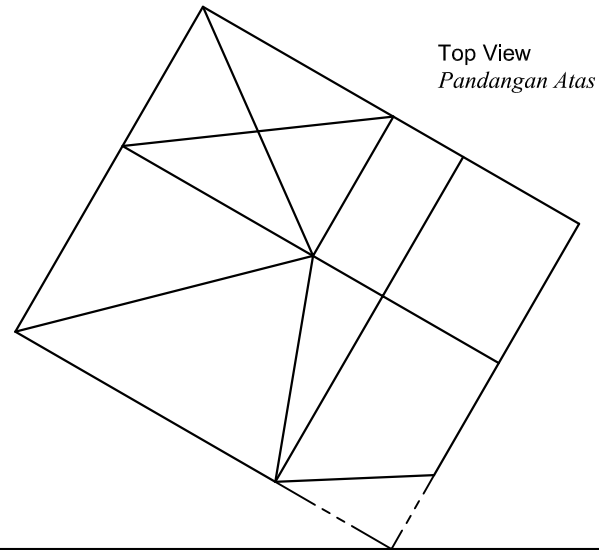
Rajah 7 menunjukkan pandangan atas dan pandangan hadapan bagi objek C.

Lukis pandangan perspektif dua titik bagi objek itu.

Kedudukan satah gambar (SG), garis ufuk (GU), garis bumi (GB), titik stesen (TS) serta orientasi pandangan atas telah diberi.

Garisan terlindung tidak perlu dilukis.

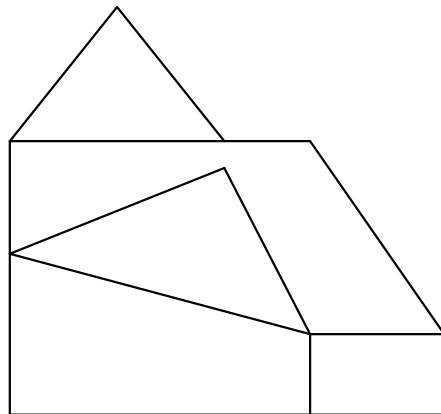
[20 marks]
 [20 markah]



OBJECT C
 OBJEK C

PP
 SG

HL
 GU



Front View
 Pandangan Hadapan

+ SP
 TS

GL
 GB

i	
ii	
iii	
iv	
v	
vi	
vii	

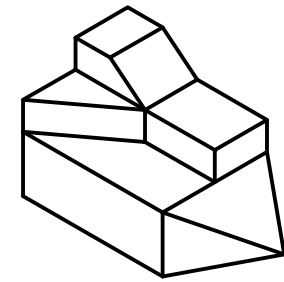
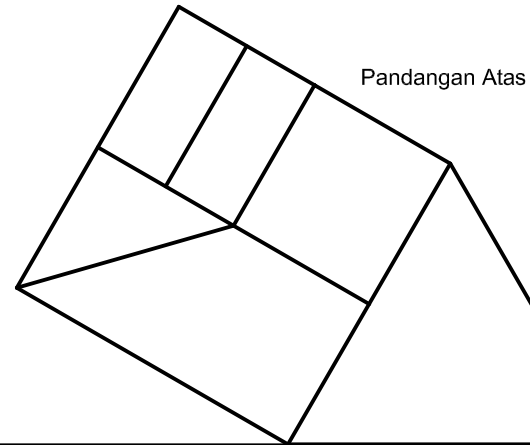
Figure 7
 Rajah 7

NAMA :

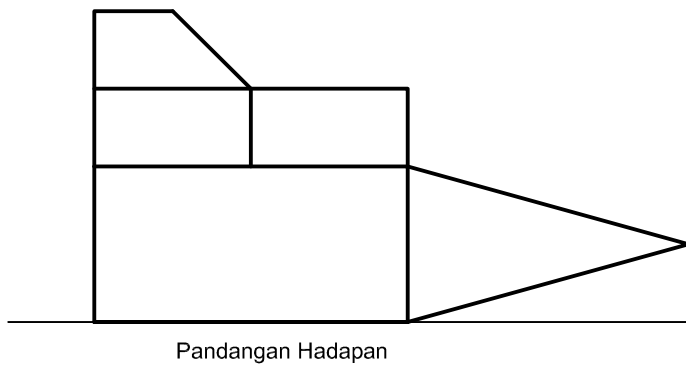
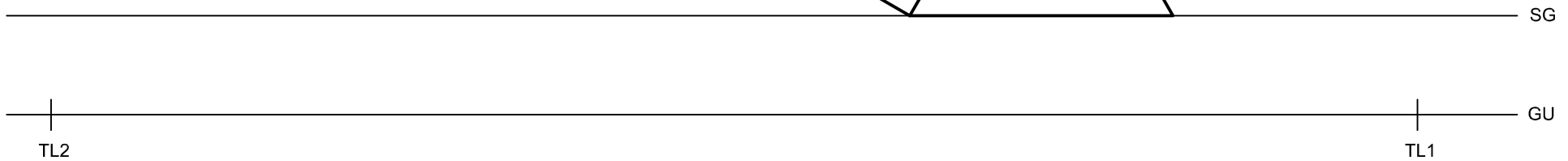
TINGKATAN :

7. Rajah 7 menunjukkan pandangan atas dan pandangan hadapan bagi objek C. Lukis pandangan perspektif dua titik bagi objek itu. Kedudukan satah gambar (SG), garis ufuk (GU), garis bumi (GB), titik lenyap (TL1 dan TL2) serta orientasi pandangan atas telah diberi. Butiran terlindung tidak perlu dilukis.

[20 markah]



OBJEK C



Pandangan Hada

RAJAH 7

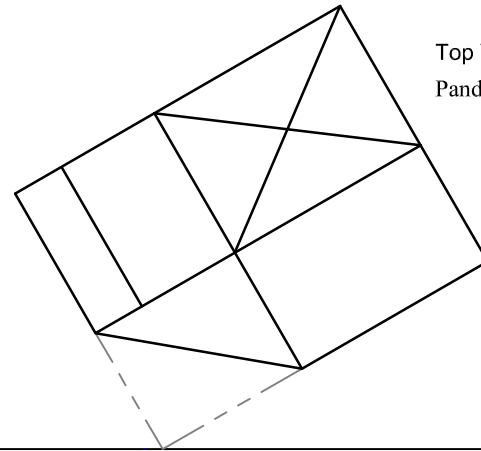
i	
ii	
iii	
iv	
v	
vi	
vii	

8. Figure 8 shows a Top View and a side view of an object B.
The station point (SP), picture plane(PP), horizon line(HL) and ground line (GB) are given. Draw a two point perspective view of the object.
Do not show hidden details.

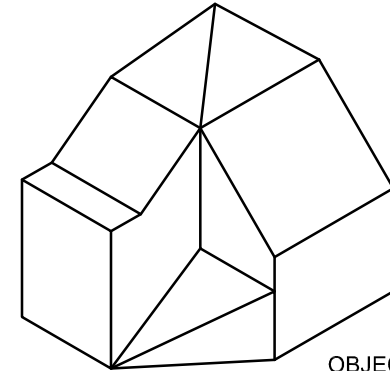
(20 marks)

8. Rajah 8 menunjukkan pandangan atas dan pandangan sisi objek B.
Kedudukan titik stesen (TS), satah gambar(SG), garis ufuk(GU) dan garis bumi(GB) telah ditetapkan. Lukiskan pandangan perspektif dua titik bagi objek itu. Butiran terlindung tidak perlu dilukis.

(20 markah)



Top View
Pandangan Atas



OBJECT C
OBJEK C

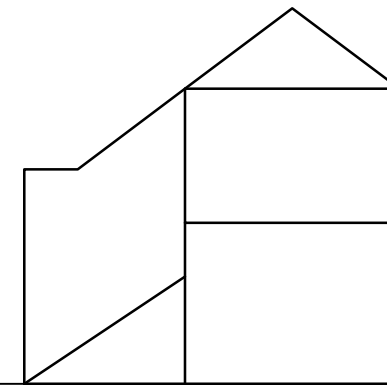
PP
SG

HL
GU

SP
TS

GL
GB

Figure 8
Rajah 8



Right Side View
Pandangan Sisi Kanan

i	
ii	
i	
iv	
v	
vi	
vii	

NAMA :
HL
GU

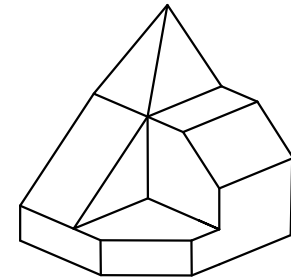
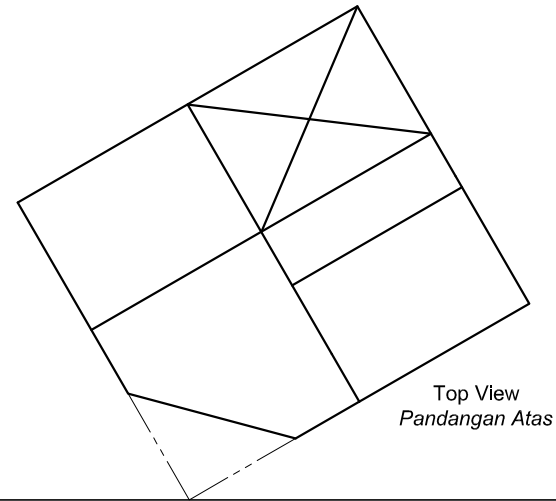
TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

7. Figure 7 shows the top view, front view and side view of object B.
The picture plane (PP), horizon line (HL), ground line (GL), Vanishing point (VPA) and Vanishing Point B (VPB) are as shown.
Draw a two-point perspective view of the object.
Do not show hidden details.

Rajah 7 menunjukkan pandangan atas, pandangan hadapan dan pandangan sisi bagi objek B. Kedudukan satah gambar (SG), garisan ufuk (GU), garisan bumi (GB), titik lenyap A (TLA) dan titik lenyap B (TLB) ditunjukkan. Lukiskan pandangan perspektif dua titik bagi objek itu. Butiran terlindung tidak perlu ditunjukkan.

[20 marks]
[20 markah]



OBJECT B
OBJEK B

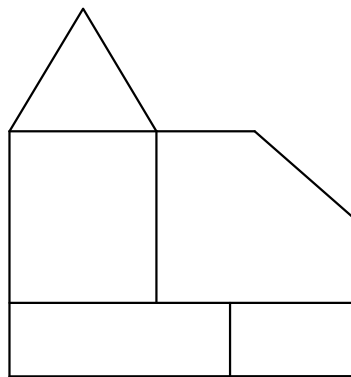
Top View
Pandangan Atas

PP
SG

HL
GU

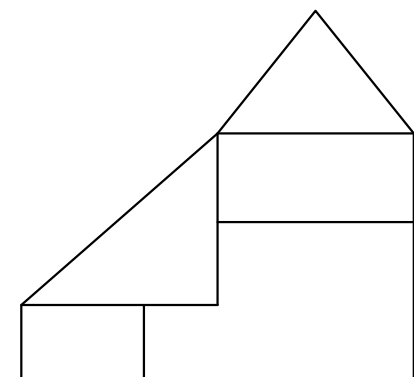
TLA

TLB



Side View
Pandangan Sisi

Figure 7
Rajah 7



Front View
Pandangan Hadapan

i	
ii	
iii	
iv	
v	
vi	
vii	

GL
GB

NAMA:

TINGKATAN:

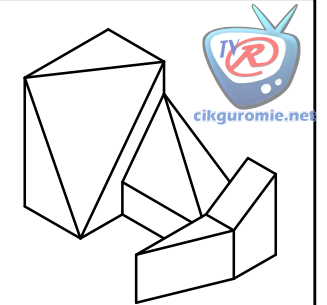
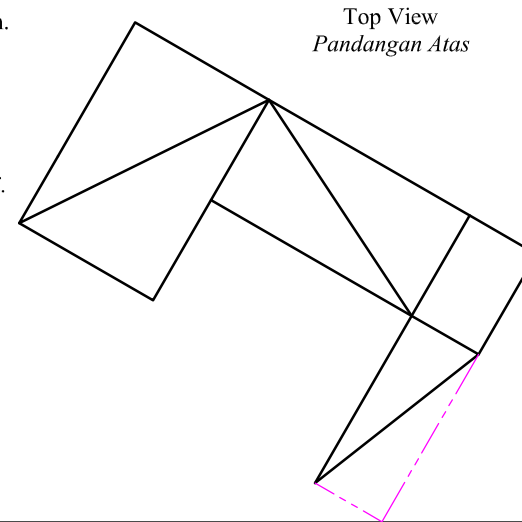
3759/1 LUKISAN KEJURUTERAAN

7. Figure 7 shows the orientation of the top view and a front view of Object C.
Draw a two-point perspective view of the given object.
The position of picture plane (PP), horizon line (HL), ground line (GL), station point (SP) are given.
Do not draw hidden details.

[20 marks]

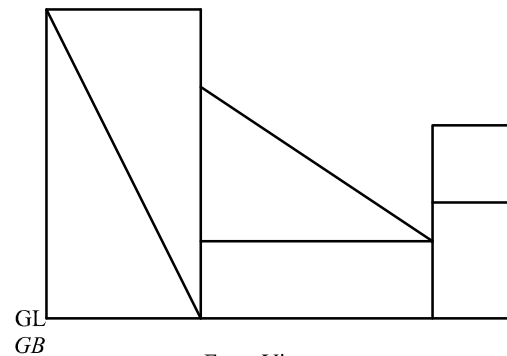
7. Rajah 7 menunjukkan orientasi pandangan atas dan pandangan hadapan bagi Objek C.
Lukiskan pandangan perspektif dua titik bagi objek itu.
Kedudukan satah gambar (SG), garis ufuk (GU), garis bumi (GB) dan titik stesen (TS) telah diberi.
Butiran terlindung tidak perlu dilukis.

[20 markah]



Object C
Objek C

PP
SG
HL
GU



Front View
Pandangan hadapan

Figure 7
Rajah 7

+ SP
TS

i	
ii	
iii	
iv	
v	
vi	
vii	
viii	

NAMA :

TINGKATAN :

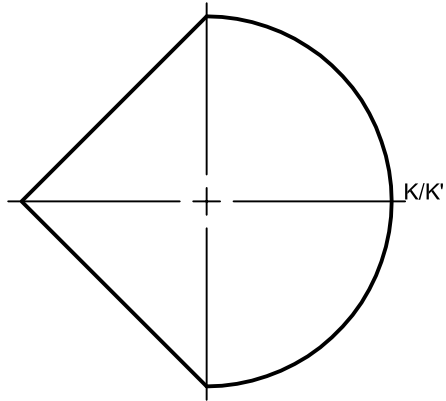
3759/1 LUKISAN KEJURUTERAAN

8. Rajah 7 menunjukkan dua pandangan bagi Objek C. Lukiskan pengorakan penuh bagi objek itu. Guna K-K' sebagai kelim.

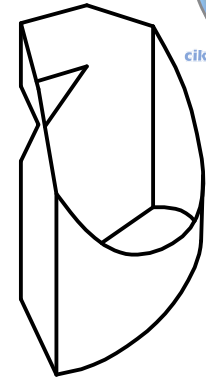
[20 markah]

Figure 7 shows two views of an Object C.
Draw full development.
Use K-K' as the seam.

[20 marks]



Rajah 7
Figure 7



Objek C
Object C

i	
ii	
iii	

NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

8. Rajah 8 menunjukkan dua pandangan bagi objek C.

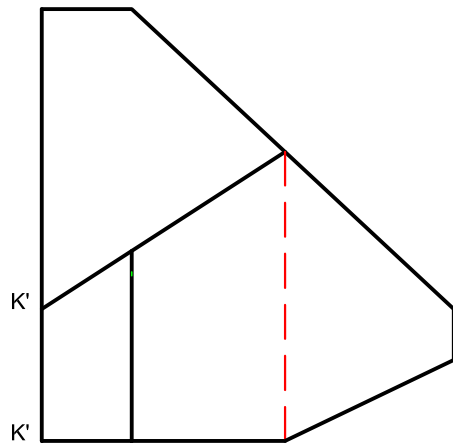
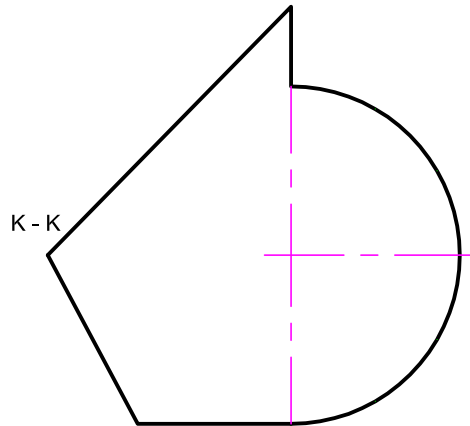
Figure 8 shows two views of an object C.

Lukiskan pengorakan penuh bagi permukaan objek itu.
K-K adalah kelim

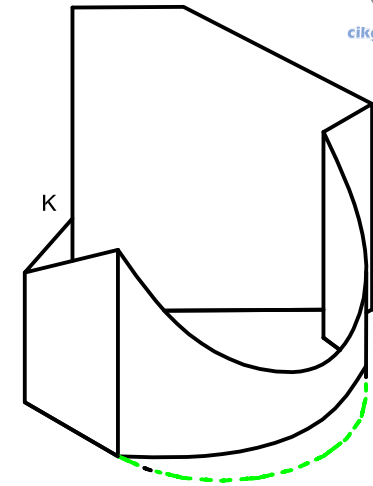
Draw a full development of the surface of the object.
Use K-K as the seam.

[20 markah]

[20 marks]



RAJAH 8
FIGURE 8



OBJEK C
OBJECT C

i	
ii	
iii	
iv	
v	
vi	
vii	

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

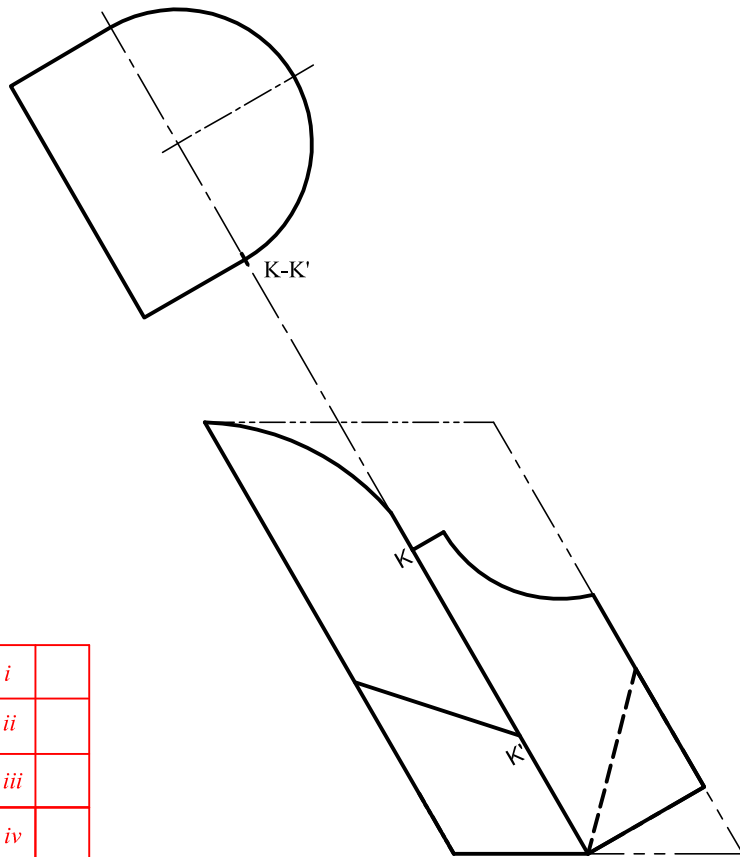
8. Figure 8 show two views of object C.
Draw a full size development of figure given. Seam is at point K-K'.

[20 marks]

Rajah 8 menunjukkan dua pandangan bagi objek C.

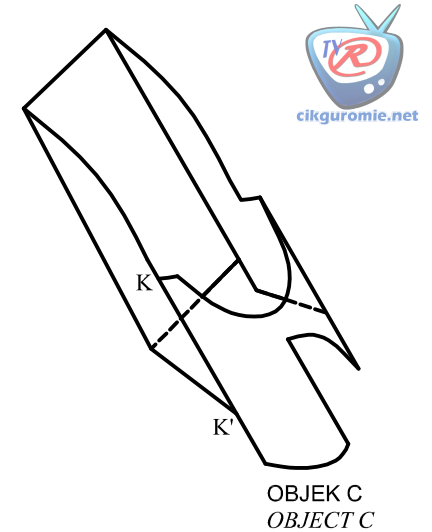
Lukiskan pengorakkan penuh bagi rajah yang diberikan. Kelim adalah di titik K-K'.

[20 markah]



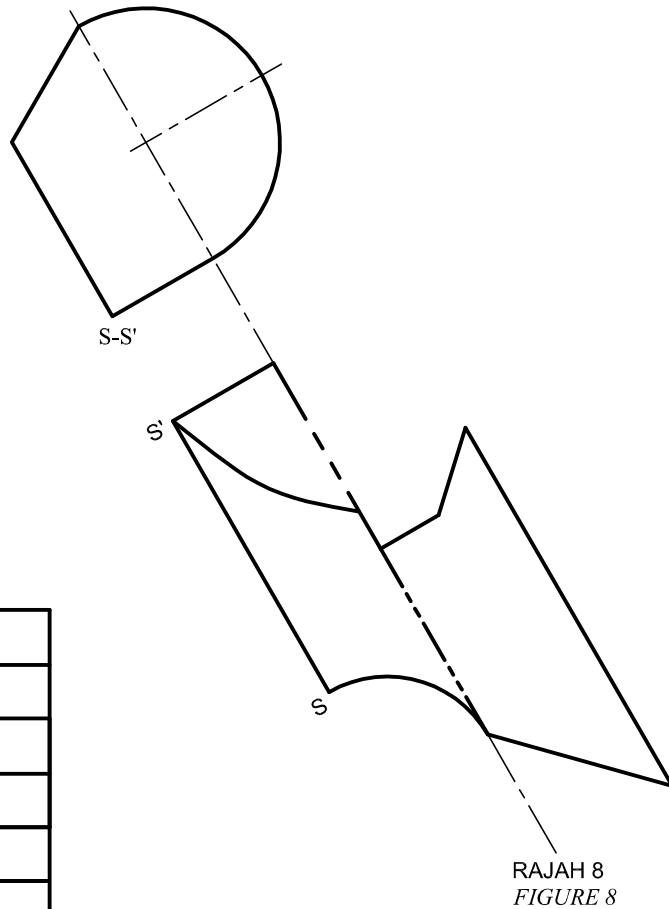
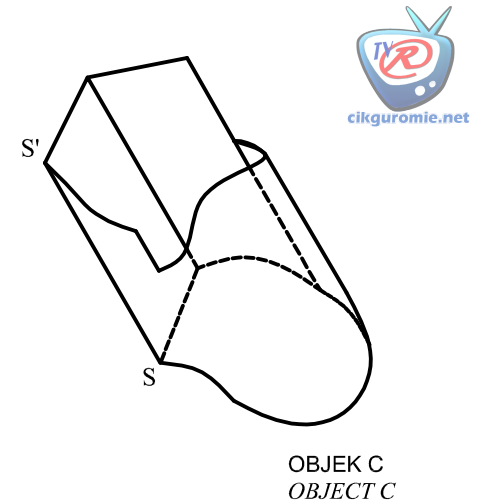
RAJAH 8
FIGURE 8

i	
ii	
iii	
iv	
v	



8. Rajah 8 menunjukkan dua pandangan bagi objek C.
Lukiskan pengorakan penuh bagi rajah yang diberikan. Kelim adalah di titik S-S'
(20 markah)

8. Figure 8 shows two views of an object C.
Draw a full size development of figure given. Seam is at point S-S'.
(20 markah)



i	
ii	
iii	
iv	
v	

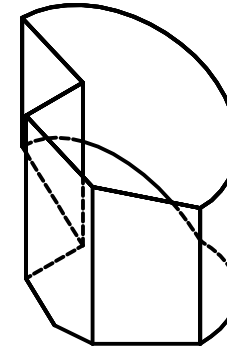
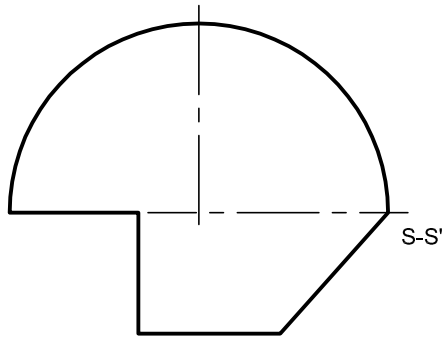


8. Figure 8 shows two views of an object C.
Draw a full development of the object.
Use S-S' is a seam.

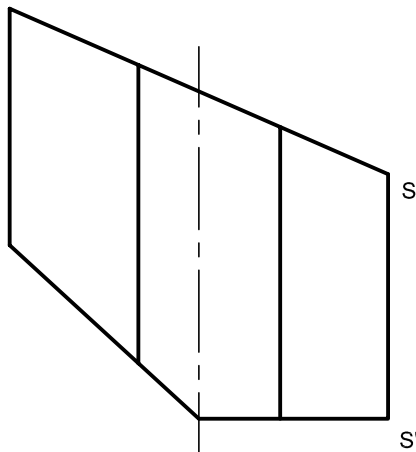
[20 marks]

8. Rajah 8 menunjukkan dua pandangan bagi sebuah objek C.
Lukiskan pengorakan penuh bagi objek itu.
Gunakan S-S' sebagai kelim.

[20 markah]



Object C
Objek C



i	
ii	
iii	
iv	
v	
vi	
vii	

NAME :

FORM :



8. Figure 8 shows two views of object C. Object C is a combination of half a regular hexagonal pyramid and half of a truncated cone. Draw a full development of the object. Use K-K' as the seam.

[20 marks]

8. Rajah 8 menunjukkan dua pandangan bagi objek C. Objek C merupakan gabungan separuh piramid heksagon dan separuh kon terpenggal. Lukis pengorakan penuh bagi objek itu. K-K' adalah kelim.

[20 markah]

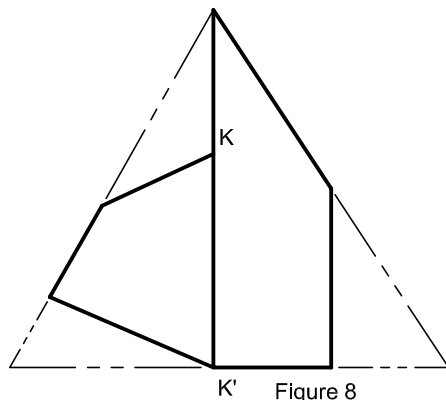
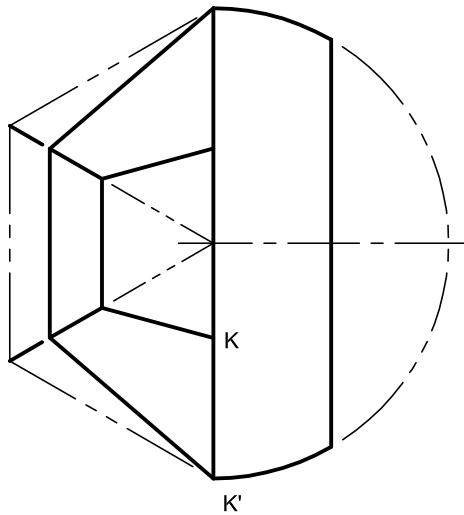
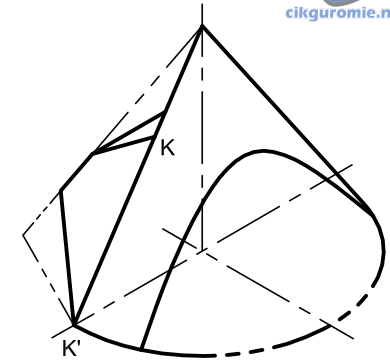


Figure 8
Rajah 8



Object C
Objek C

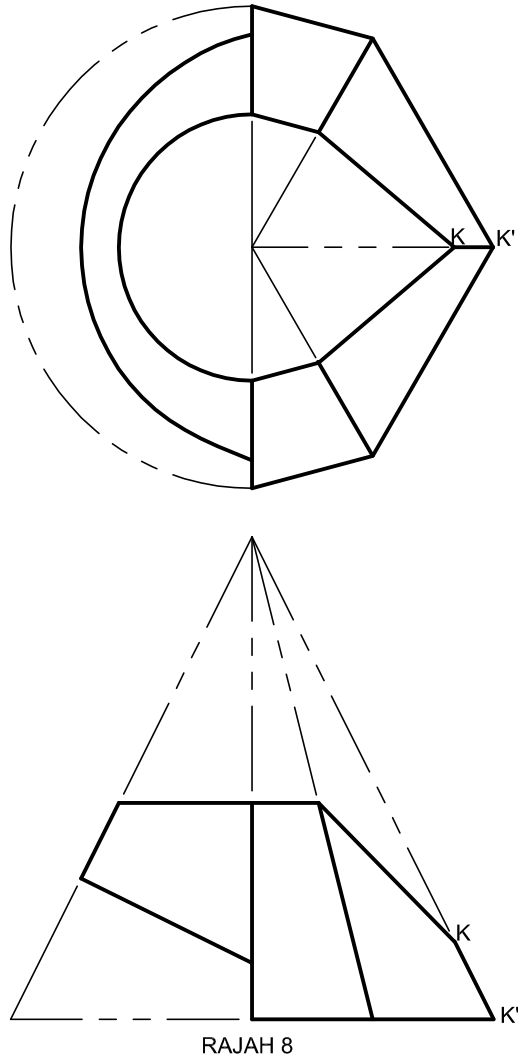
i	
ii	
iii	
iv	
v	
vi	
vii	

NAMA :

KURSUS :

8. Rajah 8 menunjukkan dua pandangan bagi sebuah objek. Lengkapkan pandangan atas dan lukiskan separuh pengorakan bagi objek itu. K - K' adalah kelim.

[15 markah]



NAMA:

TINGKATAN:

3759/1 LUKISAN KEJURUTERAAN

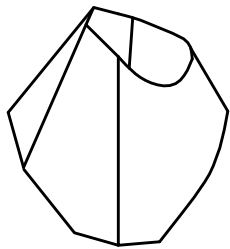
[Lihat Sebelah
SULIT



8. Figure 8 shows two views of and object C.
Draw a full development of the surface of the object.
Use K-K' as the seam.

8. Rajah 8 menunjukkan dua pandangan bagi objek C.
Lukiskan pengorakan penuh bagi permukaan objek itu.
K-K' adalah kelim.

[20 marks]
[20 markah]



Object C
Objek C

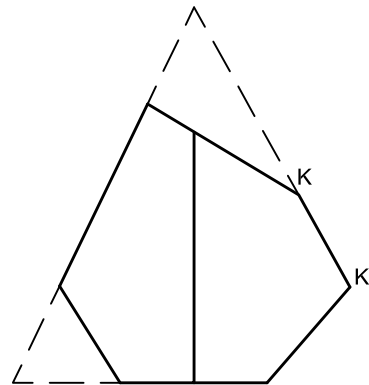
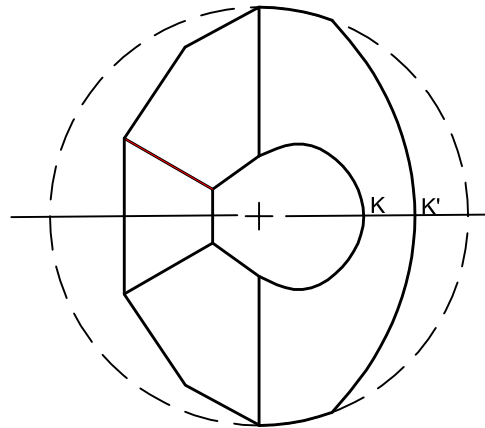


Figure 8
Rajah 8

i	
ii	
iii	
iv	
v	

ANGKA GILIRAN :

NO. KAD PENGENALAN :

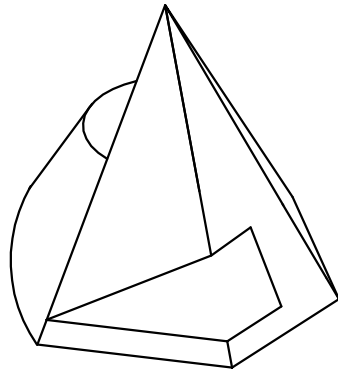
3759/1 LUKISAN KEJURUTERAAN



8. Figure 8 shows two views of object C.
Draw a full development of the surface of the object.
S - S is a seam.

Rajah 8 menunjukkan dua pandangan bagi objek C.
Lukis pengorakan penuh objek itu.
S - S adalah kelim.

[20 marks]
[20 markah]



Object C
Objek C

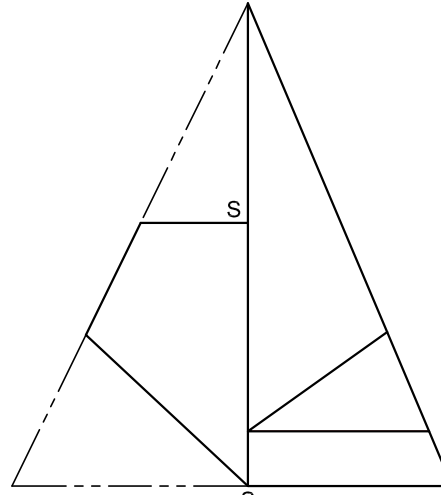
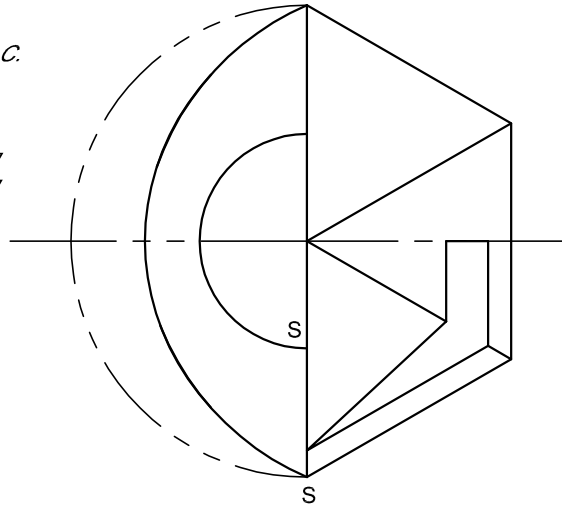


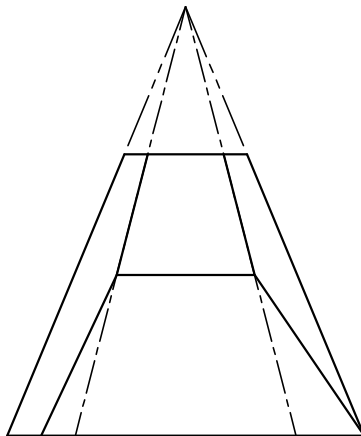
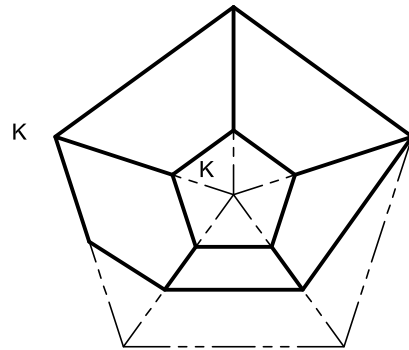
Figure 8
Rajah 8

i	
ii	
iii	
iv	
v	

NAMA :

TINGKATAN :

7. Rajah 7 menunjukkan pandangan atas dan pandangan hadapan bagi sebuah piramid segi lima. Lengkapkan pandangan atas objek tersebut. Lukiskan pengorakan penuh bagi piramid tersebut dari kelim KK. [20 markah]



Rajah 7

NAMA :

TINGKATAN :

3759/1 LUKISAN KEJURUTERAAN

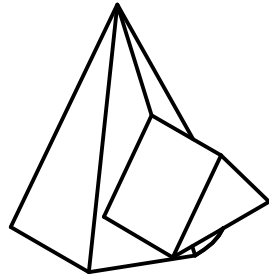


8. Figure 8 shows an incomplete drawing of two views of object C. Object C is an intersection between the combination of half of a pyramid and half of a cone with a prism. Complete the front and top views of the object by drawing the intersection lines. Show the hidden details.

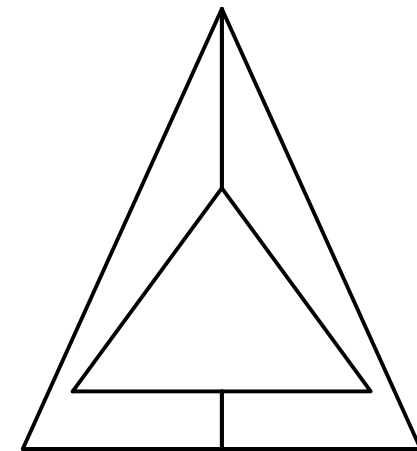
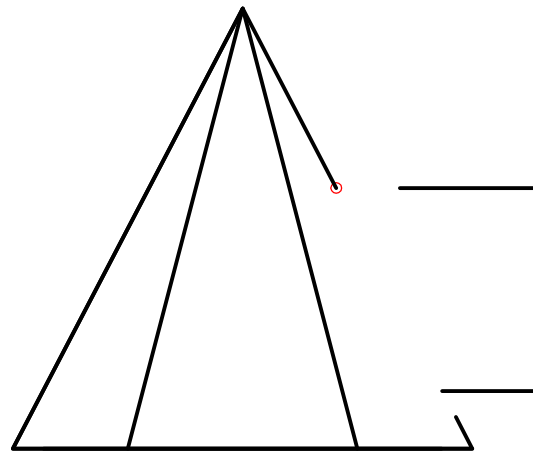
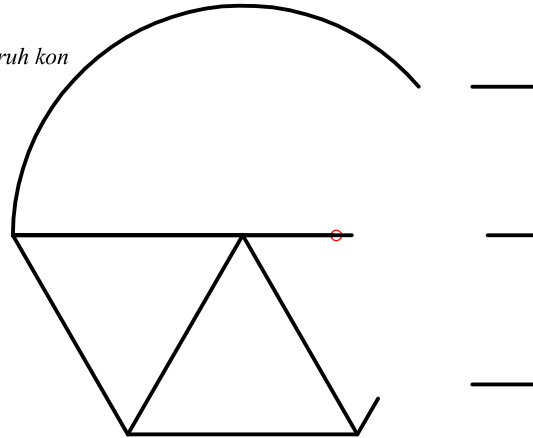
[20 marks]

8. Rajah 8 menunjukkan dua pandangan yang tidak lengkap bagi objek C. Objek C menunjukkan persilangan antara gabungan separuh piramid dan separuh kon dengan prisma. Lengkapkan pandangan hadapan dan atas objek itu dengan melukis garisan persilangan. Butiran terlindung hendaklah ditunjukkan.

[20 markah]



Object C
Objek C



i	
ii	
iii	

Figure 8
Rajah 8

END OF QUESTION PAPER
KERTAS SOALAN TAMAT

ANGKA GILIRAN :

NO. KAD PENGENALAN :

3759/1 LUKISAN KEJURUTERAAN

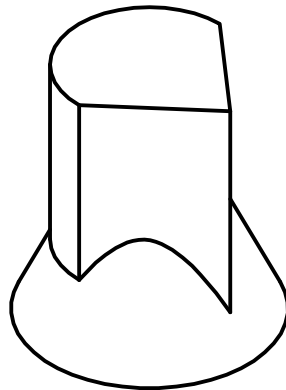


8. Figure 7 shows three orthographic views of object C. Object C shows the intersection between a cone by a combination of a half cylinder and half prism. Complete the front view and the right side view of the object by drawing intersection lines. Do not draw hidden lines.

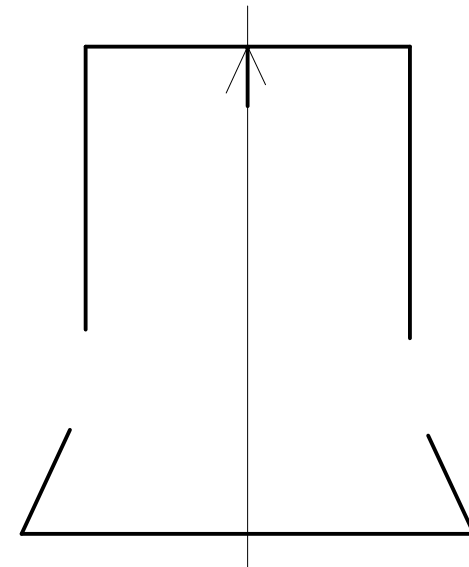
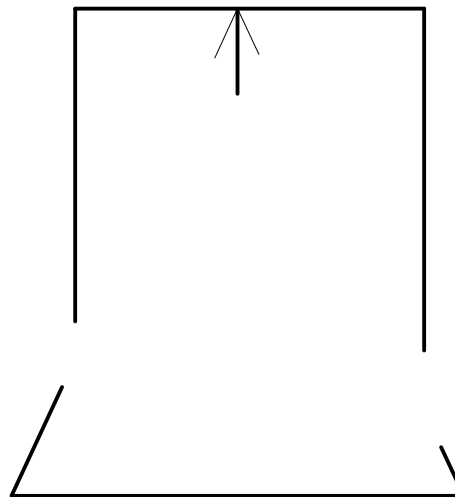
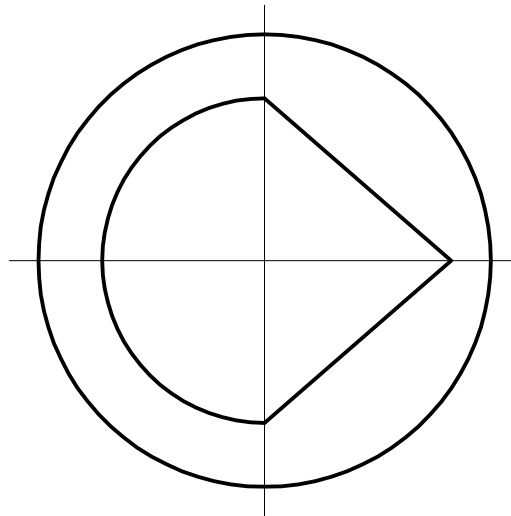
[20 marks]

8. Rajah 7 menunjukkan tiga pandangan ortografik bagi objek C. Objek C menunjukkan persilangan antara kon dengan gabungan separuh silinder dan separuh prisma. Lengkapkan pandangan hadapan dan pandangan sisi kanan objek itu dengan melukis garisan persilangan. Garisan terlindung tidak perlu dilukis.

[20 markah]



Object C
Objek C



i	
ii	
iii	
iv	
v	
vi	

FIGURE 7
RAJAH 7

NAME :
NAMA :

FORM :
TINGKATAN :

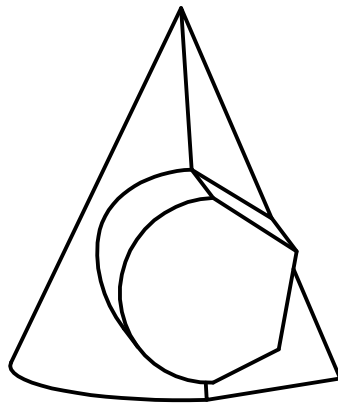
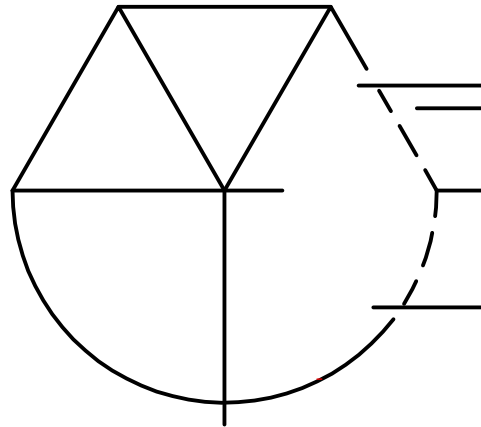


8. Figure 8 shows an incomplete drawing of three views of object C. Object C is the intersection between a combination of the half pyramid and half cone with half cylinder and a prism. Complete the top view and the front view of the object by drawing intersection lines. All hidden details must be shown.

[20 marks]

8. Rajah 8 menunjukkan tiga pandangan yang tidak lengkap bagi object C. Object C merupakan persilangan antara gabungan separuh piramid dan separuh kon dengan gabungan separuh silinder dan prisma. Lengkapkan pandangan atas dan pandangan hadapan objek dengan melukis garisan persilangan. Semua butiran terlindung mesti ditunjukkan.

[20 markah]



Object C
Objek C

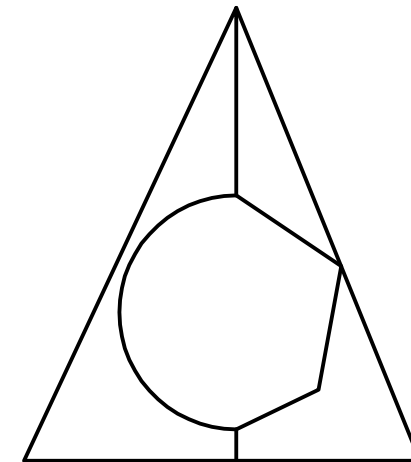
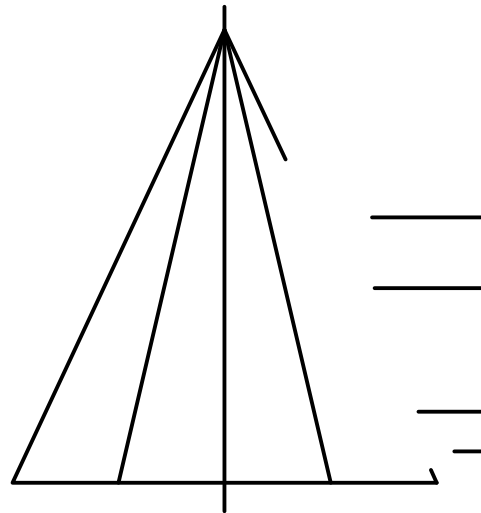


Figure 8
Rajah 8

i	
ii	
iii	
iv	
v	
vi	
vii	
viii	
ix	

NAME :

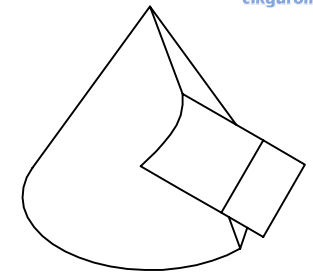
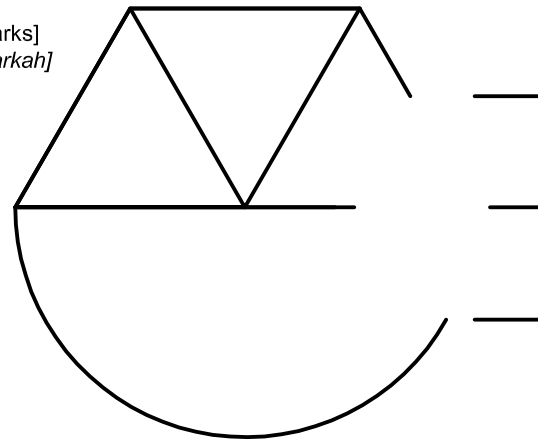
FORM :



8. Figure 8 shows an incomplete drawing of three views of object C.
Object C is intersection between a cone, pyramid and prism.
Complete the front view and right view of the object by drawing intersection lines.
Show all hidden details.

Rajah 8 menunjukkan tiga pandangan yang tidak lengkap bagi objek C.
Objek C merupakan persilangan antara kon, piramid dan prisma.
Lengkapkan pandangan hadapan dan sisi kanan objek itu dengan melukis
garisan persilangan.
Tunjukkan semua butiran terlindung.

[20 marks]
[20 markah]



OBJECT C

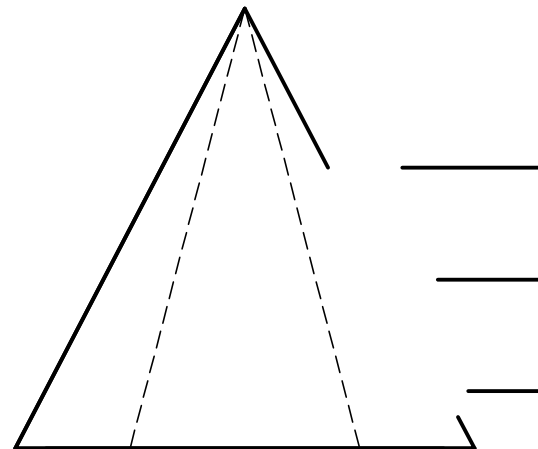
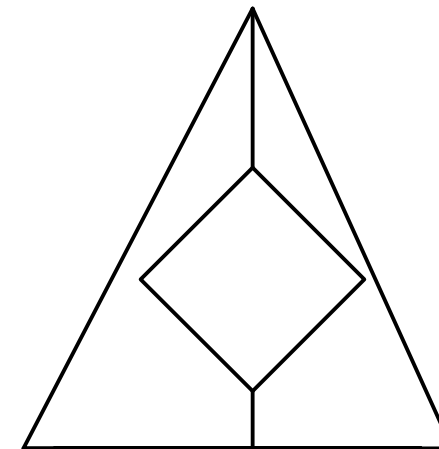


Figure 8
Rajah 8



i	
ii	
iii	
iv	
v	
vi	

NAMA:

TINGKATAN:

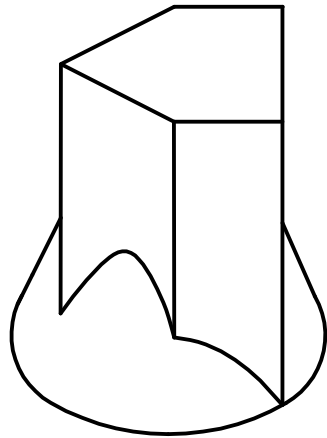
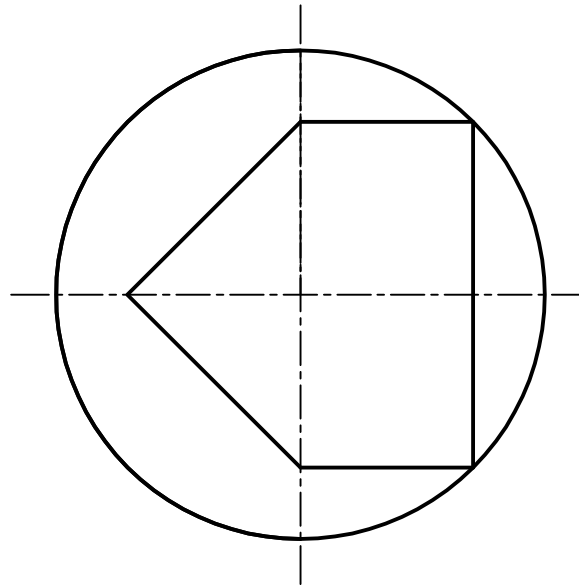
3759/1 LUKISAN KEJURUTERAAN

8. Figure 8 shows three orthographic views of an object C. Object C shows the intersection between a cone and prism. Complete the front view and the right side view of the object by drawing the intersection lines. Do not draw hidden lines.

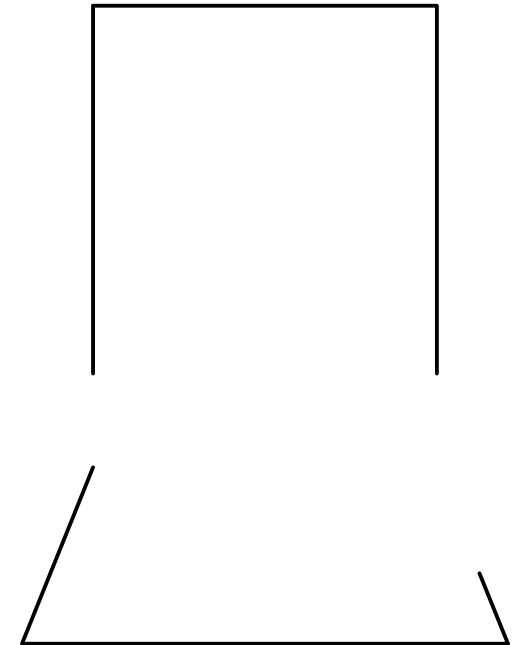
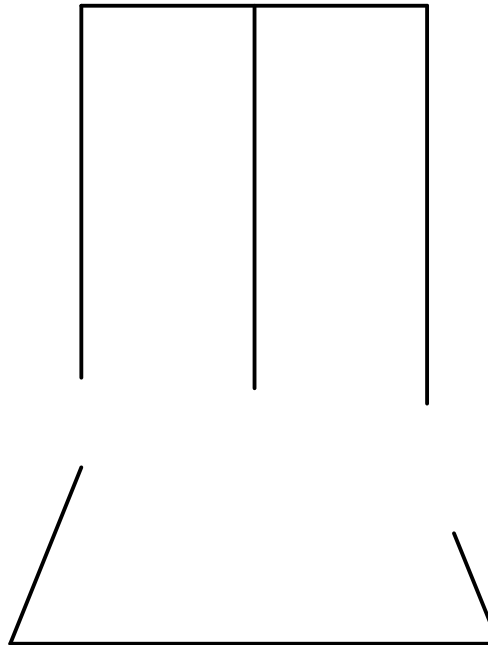
(20 marks)

Rajah 8 menunjukkan tiga pandangan ortografik bagi objek C. Objek C menunjukkan persilangan antara kon dan prisma. Lengkapkan pandangan hadapan dan pandangan sisi kanan objek itu dengan melukis garisan persilangan. Butiran terlindung tidak perlu dilukis.

(20 markah)



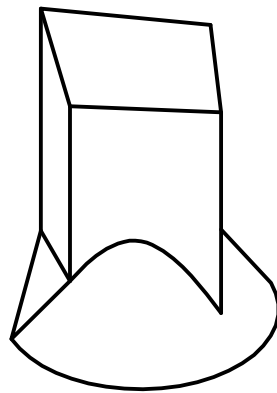
OBJECT C
OBJEK C



i	
ii	
iii	
iv	
v	
vi	
vii	

8. Rajah 7 menunjukkan tiga pandangan ortografik bagi objek C. Objek C menunjukkan persilangan antara kon dengan gabungan separuh silinder dan separuh prisma. Lengkapkan pandangan hadapan dan pandangan sisi kanan objek itu dengan melukis garisan persilangan. Garisan terlindung tidak perlu dilukis. [20 markah]

Figure 7 shows three orthographic views of object C. Object C shows the intersection between a cone by a combination of a half cylinder and half prism. Complete the front view and the right side view of the object by drawing intersection lines. Do not draw hidden lines. [20 marks]



Object C
Objek C

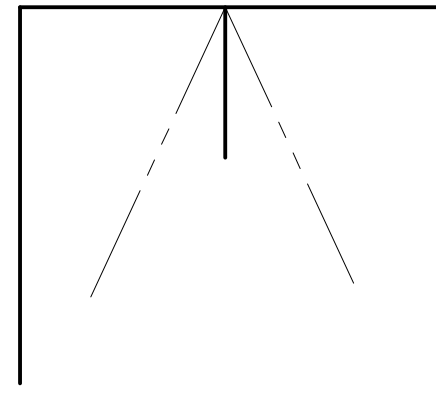
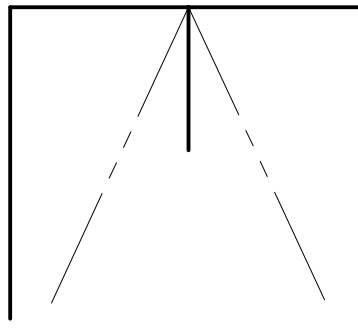
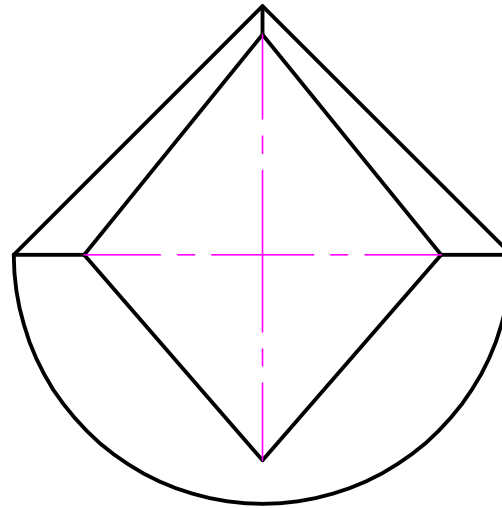


FIGURE 7
RAJAH 7

i	
ii	
iii	
iv	
v	
vi	
vii	

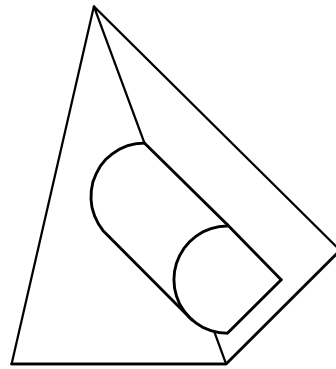
NAMA:

KELAS:

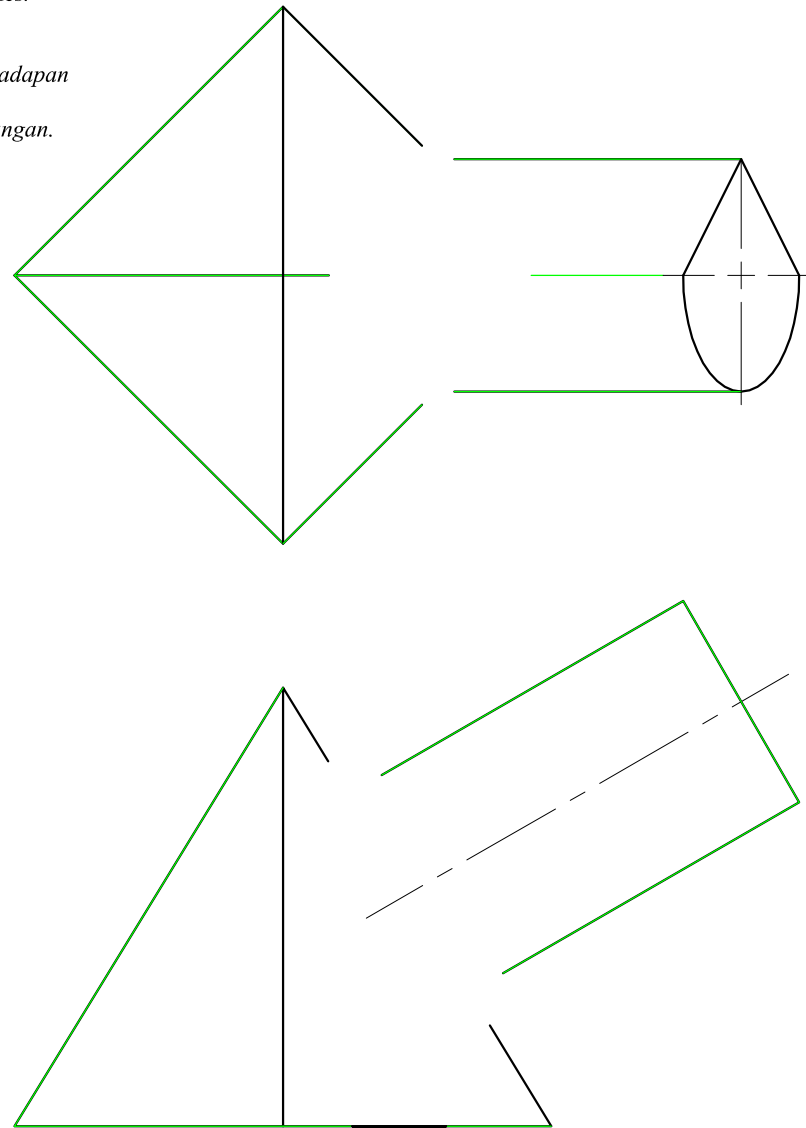


8. Figure 7 shows an incomplete drawing of top view and front view of Object D. Complete the views by draw intersection lines. All hidden line must be drawn.

Rajah 7 menunjukkan pandangan atas dan pandangan hadapan yang tidak lengkap bagi Objek D. Lengkapkan pandangan itu dengan melukis garis persilangan. Semua butiran terlindung hendaklah ditunjukkan.



OBJEK C
OBJECT C



RAJAH 7
FIGURE 7

i	
ii	
iii	

NAMA :

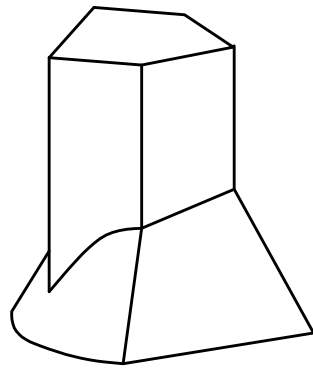
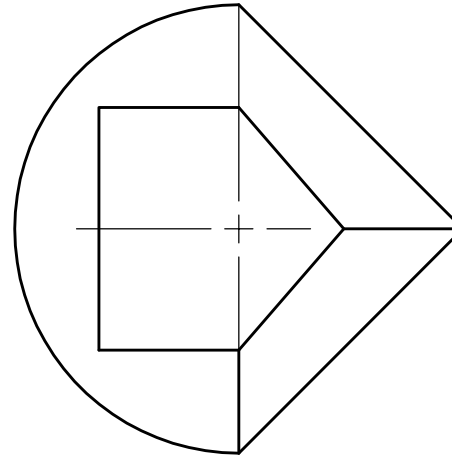
KURSUS :

8. Figure 8 shows the incomplete drawing of three views of object C.
Complete the front view and right side view of the object by drawing intersection lines.
All hidden lines must be drawn.

[20 marks]

Rajah 8 menunjukkan tiga pandangan yang tidak lengkap bagi objek C.
Lengkapkan pandangan hadapan dan sisi kanan objek itu dengan melukis garisan persilangan.
Garis terlindung hendaklah dilukis.

[20 markah]



Object C
Objek C

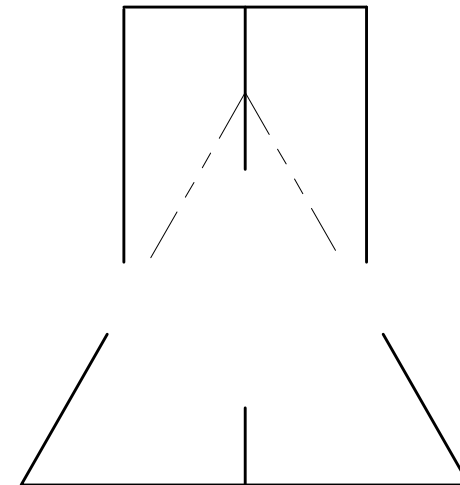
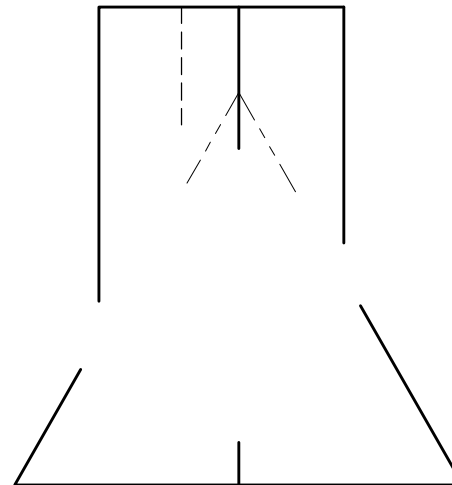


Figure 8
Rajah 8

i	
ii	
iii	
iv	
v	
vi	
vii	

NAMA:

KELAS:

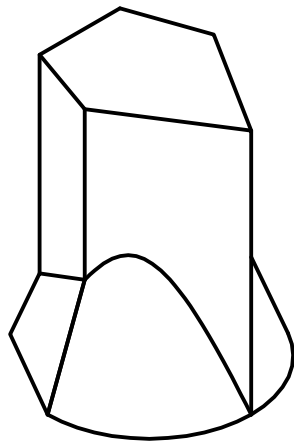
3759/1 LUKISAN KEJURUTERAAN

8. Rajah 8 menunjukkan tiga pandangan yang tidak lengkap bagi objek D. Objek D merupakan persilangan di antara gabungan piramid dan kon dengan prisma. Lengkapkan pandangan hadapan dan pandangan sisi kanan bagi objek itu dengan melukiskan garisan persilangan.

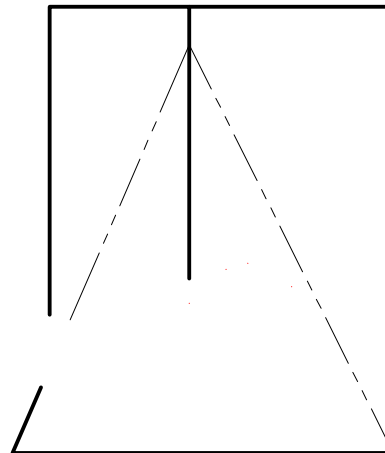
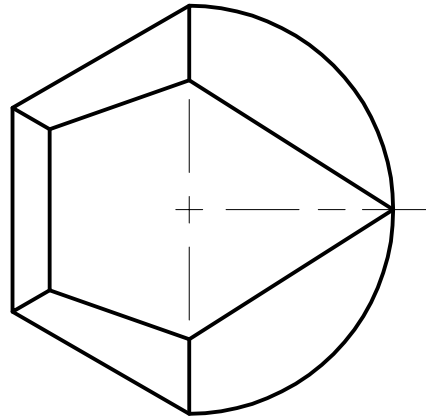
[20 markah]

8. Figure 8 shows an incomplete of three views of object D. Object D is the intersection between a combination of pyramid and cone with a prism. Complete the front view and the top view of the object by using intersection lines.

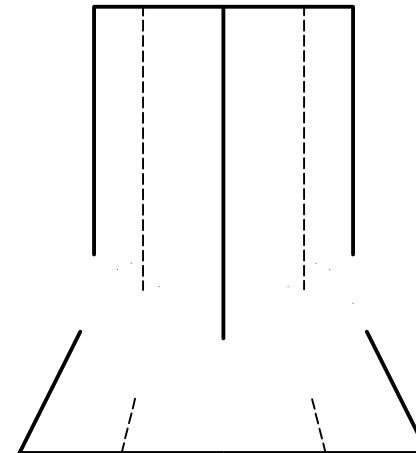
[20 marks]



Objek D
Object D



Rajah 8
Figure 8



i	
ii	
iii	
iv	
v	

NAMA :

TINGKATAN :



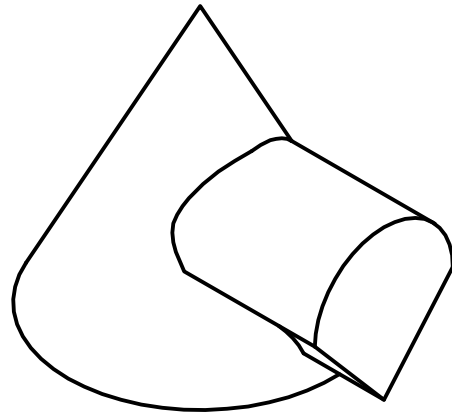
8. Figure 8 shows an incomplete drawing of three views of object C. Object C is the intersection between a cone with a combination of half cylinder and prism. Complete the top view and front view of the object by drawing intersection lines. All hidden details must be shown.

[20 marks]

Rajah 8 menunjukkan tiga pandangan yang tidak lengkap bagi objek C. Objek C merupakan persilangan antara kon dengan gabungan separuh silinder dan prisma.

Lengkapkan pandangan atas dan pandangan hadapan objek itu dengan melukis garisan persilangan. Semua butiran terlindung hendaklah ditunjukkan.

[20 markah]



Object C
Objek C

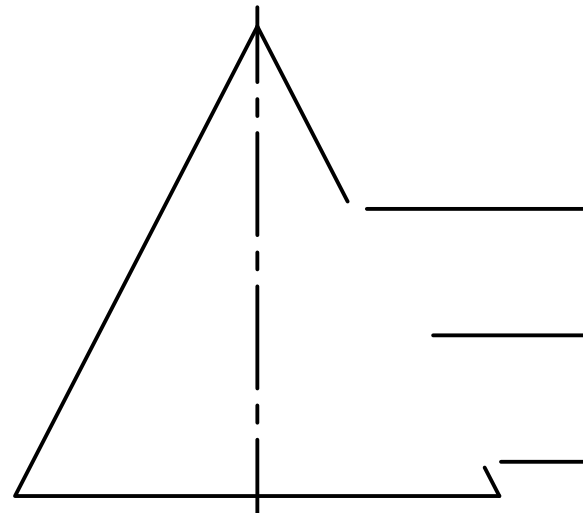
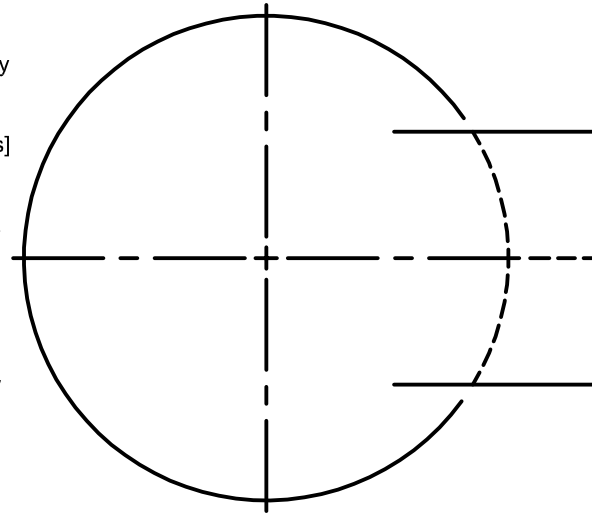
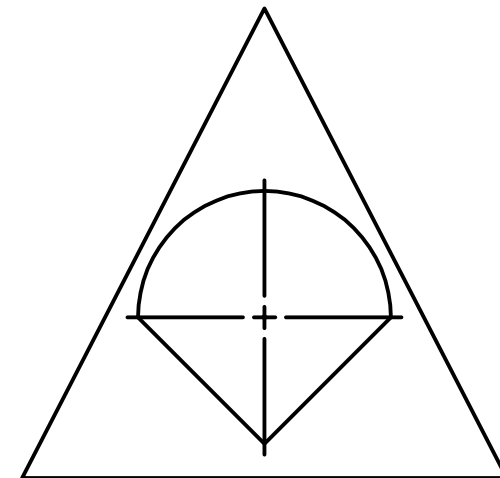


Figure 8
Rajah 8



i	
ii	
iii	
iv	
v	
vi	
vii	

END OF QUESTION PAPER
KERTAS SOALAN TAMAT

NAMA :

TINGKATAN :

[Lihat halaman sebelah]