**LINEAR EQUATION**

Solve the following linear equations

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| Example :  2*x* + 3 = 9  2*x* = 9 – 3  2*x* = 6  *x* = 3 | a) *y* – 5 = 12 |
| b) *w* + 4 = 8 | c) *m* – 6 = -12 |
| d) 2*x* + 5 = -11 | e) 3*y* – 9 = 18 |
| f) 4*p* + 16 = 20 | g) 7*q* – 20 = 1 |
| h) 2*m* – 3 = 3*m* + 7 | i) 3*y* + 5 = 2*y* - 3 |
| j) 3*x* + 12 = 5*x* - 8 | k) *p* + 5 = 4*p* + 17 |
| Example :  = 3  [ = 3] 2  *n* = 6 | a)  = 3 |
| b)  = 5 | c)  = -5 |
| d)  = 6 | e)  = -2 |
| f) 2 = | g) 10 = |
| Example :  + 4 = 1  = 1 – 4  = -3  *n* = (-3)(2)  *n* = 6 | a)  - 9 = 3 |
| b)  + 3 = 5 | c)  - 12 = -5 |
| d) 4 +  = 6 | e) 3 -  = -2 |
| f) 2 =  - 8 | g) 10 = 7 - |
| Example :  + 4 = 2*n*  [ + 4 = 2*n*]  2  5*n* + 8 = 4*n*  5*n* – 4*n* = -8  *n* = -8 | a)  - 12 = 3*x* |
| b)  + 3 = 1 | c)  - 12 = -5*a* |
| d) 4 +  = 6*y* | e) 2*x* -  = -2 |
| f) 12 =  - 8*n* | g) 2*p* = 7 - |