

## Solving Linear Equations 1 - KEY

Solve the following equations. SHOW YOUR WORK!

1)  $6x + 3 = 15$

$$x = 2$$

2)  $2x + 1 = -9$

$$x = -5$$

3)  $3x - 5 = 7$

$$x = 4$$

4)  $5x - 2 = 6$

$$x = \frac{8}{5}$$

5)  $-4x + 3 = -9$

$$x = 3$$

6)  $-2x - 5 = -4$

$$x = -\frac{1}{2}$$

7)  $-x = -7$

$$x = 7$$

8)  $3x - 1 = 2x + 7$

$$x = 8$$

9)  $4x - 5 = 7x + 3$

$$x = -\frac{8}{3}$$

10)  $2(3x + 4) - (x - 3) = 9$

$$x = -\frac{2}{5}$$