

1.  $3x = 9$   $/:3$

$x = 3$

2.  $12x = 9$   $/:12$

$x = \frac{9}{12} = \frac{3}{4}$

3.  $\frac{1}{5}x = 3$   $/:5$

$x = 15$

4.  $\frac{3}{4}x = -12$   $/:4$   $\Rightarrow x = -16$   
 $3x = -48$   $/:3$

5.  $5x = 9 - 2x$   $+2x$

$7x = 9$   $/:7$   $x = \frac{9}{7}$

6.  $2x - 12 = 3x - 25$   $-2x + 25$

$x = 13$

7.  $\frac{x-2}{7} = 0$   $/:7$

$x - 2 = 0$   $+2$   $\Rightarrow x = 2$

8.  $10x - 7 = 5x + 14 - 2x$   $\Rightarrow 10x - 7 = 3x + 14$   $-3x + 7$

$7x = 21$   $/:7$   $\Rightarrow x = 3$

9.  $-7x + 2x + 13 = x - 17$

$-5x + 13 = x - 17$   $+5x + 17$

$30 = 6x$   $/:6$

$x = 5$

10.  $3x + 10 - 9x + 1 = 4x - 9$

$11 - 6x = 4x - 9$   $+6x + 9$

$20 = 10x$   $/:10$

$x = 2$

11.  $3(x-1) - 9x = 15$

$3x - 3 - 9x = 15$   $/:-3$

$-6x - 11$   $/:-6$

$x = -3$

12.  $3x - (x+1) = 19$

$3x - x - 1 = 19$   $+1$

$2x = 20$   $/:2$

$x = 10$

13.  $2 - 3(2x-4) = 8$

$2 - 6x + 12 = 8$

$14 - 6x = 8$   $-14$

$-6x = -6$   $/:-6$

$x = 1$