

$$\text{Solve: } 4x - 4 = 2x + 6$$

Subtract  $2x$  from both sides

$$2x - 4 = 6$$

Add 4 to both sides as it is '-4' we are reversing.

$$2x = 10$$

Divide by 2: the coefficient of  $x$

$$x = 5$$



$$\text{Solve: } 7x + 2 = 3x + 12$$

Subtract  $3x$  from both sides

$$4x + 2 = 12$$

Subtract 2 from both sides as it is '+2' we are reversing.

$$4x = 10$$

Divide by 4: the coefficient of  $x$

$$x = 2.5$$



$$\text{Solve: } 4x - 4 = 2x + 6$$

Subtract  $2x$  from both sides

$$2x - 4 = 6$$

Add 4 to both sides as it is '-4' we are reversing.

$$2x = 10$$

Divide by 2: the coefficient of  $x$

$$x = 5$$



$$\text{Solve: } 7x + 2 = 3x + 12$$

Subtract  $3x$  from both sides

$$4x + 2 = 12$$

Subtract 2 from both sides as it is '+2' we are reversing.

$$4x = 10$$

Divide by 4: the coefficient of  $x$

$$x = 2.5$$

