

Reteaching 7-2 Solving Multi-step Equations

Solve $6 - 2(x + 5) = 8$

$$6 - 2(x + 5) = 8$$

$$6 - 2x - 10 = 8$$

$$-2x - 4 = 8$$

$$-2x - 4 + 4 = 8 + 4$$

$$-2x = 12$$

$$\frac{-2x}{-2} = \frac{12}{-2}$$

$$x = -6$$

Distribute.

Simplify. Think of $6 - 2x$ as $6 + (-2x)$. Then subtract $6 - 10$.

Add 4 to each side.

Simplify.

Divide each side by -2 .

Simplify.

Solve each equation.

1. $3(a - 4) = 9$

Distribute.

Add 12 to each side.

Simplify.

Divide each side by 3.

Simplify.

Solve each equation.

2. $n + 5n = 30$ $n =$ _____

3. $y - 4y = 33$ $y =$ _____

4. $12 = 4(b - 2)$ $b =$ _____

5. $-3(k - 4) = -6$ $k =$ _____

6. $m - 3m + 3 = 11$ $m =$ _____

7. $2(x - 9) + 5 = 1$ $x =$ _____