

By the end of this lesson you will be able to _____.

Example 1 - Solving equations using 3 math operations

$$\frac{2x}{5} + 12 = 8$$

What do I need to do?

1. _____
2. _____
3. _____
4. _____

What three operations did you use to solve this equation? _____, _____, and

Example 2 - Solve Equations with Like Terms on Opposite Sides

$$4x - 9 = 7 + 2x$$

What do I need to do?

1. _____
2. _____
3. _____

Example 3 - Solve Equations with the Distributive Property

$$3(x + 7) = 9$$

What do I need to do?

1. _____
2. _____
3. _____
4. _____

Example 4 - Solve Equations with Like Terms and Distributive Property

$$-(x + 3) = 9x + 7$$

What do I need to do?

1. _____

2. _____

3. _____

4. _____

SHOWTIME - You Try!

Solve for the variable x in the equation.

1) $4x + 10 = -6x$

2) $-5(x + 7) = 16$

3) $\frac{5x}{2} + 7 = 12$

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