

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

Which operation can you perform to undo the following operations?

- 1) Addition can be reversed with _____.
- 2) Multiplication can be reversed with _____.
- 3) Subtraction can be reversed with _____.
- 4) Division can be reversed with _____.

Example 1 - Solve for the variable x in the equation.

$$2x - 11 = 33$$

What do I need to do?

- _____ 1. _____
- _____ 2. _____
- _____ 3. _____

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

Example 2 - Solve for the variable x in the equation.

$$-4x + 5 = -11$$

What do I need to do?

- _____ 1. _____
- _____ 2. _____
- _____ 3. _____

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

Example 3 - Solve for the variable x in the equation.

$$\frac{x}{5} + 23 = 32$$

What do I need to do?

- _____
- _____
- _____
1. _____
 2. _____
 3. _____

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

Example 4 - Solve for the variable x in the equation.

$$-5 + \frac{x}{2} = -21$$

What do I need to do?

- _____
- _____
- _____
1. _____
 2. _____
 3. _____

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

SHOWTIME - You Try!

Solve for the variable x in each equation.

1) $12x + 18 = -6$

2) $\frac{x}{4} + 9 = 12$

3) $8 - 5x = 18$

4) $4 - \frac{x}{9} = -12$