Vocabulary review....

Finding the value of a variable that makes an equation true

Solve for x:
$$x + 2 = 3$$

Find the value of x so that x + 2 = 3 is a true statement.

Try to solve...

Solve for x:

$$4 + x = 6$$

$$x - 3 = 6$$

$$x + 8 = 12$$

$$x = 2$$

$$x = 4$$

When you are solving these equations, what are you doing to solve for x?

Write this down on your notes sheet and be prepared to share your answer.

- · opposite of the number
- · guess & check
- · Subtract answer from number
- · Add/Subtract to find
- · Add/Subtract
- · Counting upldown
- · opposite of sign
- · add or subtract

Inverse operations are 'opposites' meaning they "undo each other"

Drag to reveal the inverse of each operation

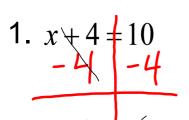
Addition **Subtraction**

Subtraction Addition

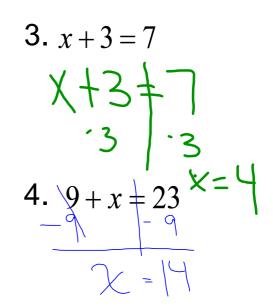
Multiplication Division

Division Multiplication

White Board Practice Problems



2.
$$5 + x = 7$$



White Board Practice Problems

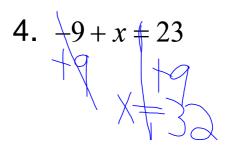
1.
$$x-4 = 10$$

+4 +4
 $x = 14$

3.
$$x-3 \neq 7$$
 $+3$
 $+3$
 $+3$

2.
$$-5 + x = 7$$

 $-5 + x = 7$
 5
 $x = 12$







White Board Practice Problems

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

3.
$$x-3=-7$$

2.
$$-5 + x = -10$$

