

Anonymous

Warmup 10/ $(-4 - (-30))$

Solve the equation. Check your solution. If your solution doesn't work when you check it, you need to redo the equation!

1. $-5x + 18 = -2x + 3$

p.149 (1 - 5, 9)

- 1) $a = -2$
- 2) $x = 8$
- 3) $y = 10$
- 4) $p = -3$
- 5) $n = 48$

If you got one wrong and you can't figure out how, please request to see it worked out!!!!

- 9) a. Set the side lengths equal to each other and solve for x.
- b. $4x - 2 = 2x + 8$
- c. $x = 5$, so the side length is **18** (plug x back in!)

□ Back to your notes from yesterday!!!

Solving Equations in Different Ways

CHOOSE TWO OF THESE METHODS TO SOLVE THE EQUATION. CHECK YOUR ANSWER.

- Method 1: Solve by getting rid of the "-2x" first
- Method 2: Solve by getting rid of the "3" first
- Method 3: Solve by getting rid of the "4x" first
- Method 4: Solve by getting rid of the "15" first

$$-2x + 3 = 4x + 15$$

Equation Solving Strategy

- Get the variables to one side
- Get the constant term (the "regular number") to the other side
- Divide (or, if you have a fraction, you can multiply by the reciprocal)

Whiteboards

$$2x + 9 + 5x + 8 = 24$$

$$x = 1$$

Early finishers: Check your answer!

Whiteboards

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

$$x = -3$$

Early finishers: Check your answer!

Harder ones...

SOLVE

$$\square 2x + 7 = 5x + 35$$

Harder ones...

SOLVE

$$\square -32 + \frac{2}{3}x = \frac{7}{3}x + 3$$

Harder ones...

SOLVE

$$\square 8x + 7 - 5x = 11 + x$$

REST OF THIS WEEK

- ☐ Learn one more type of equation (equations with distributive property)
- ☐ Equations quiz on **FRIDAY**
- ☐ **NEXT WEEK:** Harder ones, Weird ones, Story Problems

Classwork/Homework

- ☐ Solving Equations Practice Worksheet
- ☐ **EARLY FINISHERS:** Ask me for the answer key to check your work. Then make my job easier by helping people who are stuck!!!