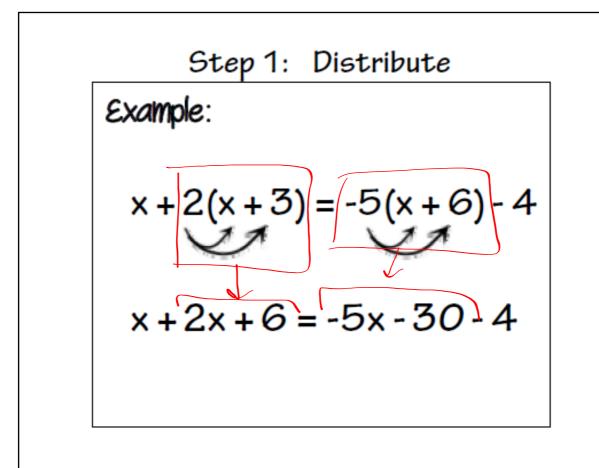


Grab a yellow sheet off the stool in the front of the room and use your mul-step equaon skills to make your way through the maze!

Sep 16-11:58 AM

Sep 17-8:44 AM

 Solving EQs with 1 Var of Both Sides (Per. 6).notebook September
Sep 17-8:55 AM
Clear Learning Objective
You will be able to solve equations with
one variable on both sides.



Sep 16-12:07 PM

Do not solve, just practice the step shown above.

1)
$$8x(-4)(x-9) = \sqrt{(9x-16)+9(x-1)}$$

 $8x(-4)(x-9) = \sqrt{(9x-16)+9(x-1)}$
 $8x(-4)(x-9) = \sqrt{(9x-16)+9(x-1)}$

2)
$$\frac{1}{2}(4x-16) = -4(3x-2)$$

 $2x - 6 = -12x + 6$

Step 2: Combine Like Terms

Example continued:

$$x + 2(x + 3) = -5(x + 6) - 4$$

 $x + 2x + 6 = -5x - 30 - 4$

$$3x + 6 = -5x - 34$$

Sep 16-3:02 PM

Do not solve, just practice the step shown above. Combine Like Terms on each side.

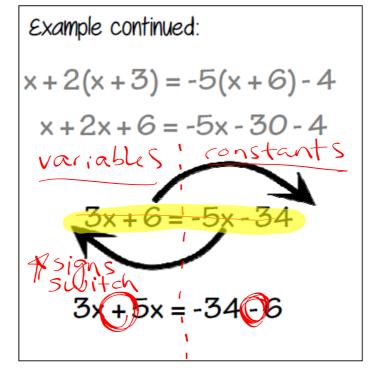
3.
$$8x-4x-17 = -19x-3x+8+x$$

$$4|x-|7=-2|x+8$$

4.
$$5x-2+15-4x=2x028-13+8x$$

 $X + |3 = |0x -4|$

3: Move Variables and Constants to Opposite Sides



Sep 16-3:03 PM

Do not solve, just practice the steps shown above. Move the variables and constants to opposite sides of the equals sign.

5.
$$-4\times067 = 019x - 8$$

 $-4x + 19x = 61 - 8$

6.
$$15x-150=23x-290$$

7.
$$-15 = 18x - 290$$

- 4: Collect Like Terms.
- 5: Solve for the Variable by Multiplying or Dividing.

Example continued:

$$x + 2(x + 3) = -5(x + 6) - 4$$

$$x + 2x + 6 = -5x - 30 - 4$$

$$3x + 6 = -5x - 34$$

$$3x + 5x = -34 - 6$$

$$8x = -40$$

$$\frac{8x}{2} = \frac{-40}{2}$$

$$x = -5$$



Sep 16-3:04 PM

Follow the example above and solve for x showing every step:

8)
$$3x + 4(x - 3) = -5(2x - 6) + 9$$