

Day 4: Practice & Review

#4

Vocabulary

Distributive Property:

Solve each equation for the variable. Check your solution. For the first problem, explain your steps.

1) $5(x + 3) = -15$ <u>Work</u>	2) $-4(x - 5) = -20$ <u>Explanation</u>	3) $-(a + 6) = 10$

Vocabulary

Like Terms:

To simplify EXPRESSIONS, we can _____ like terms.

Example:

1) $4x + 3 - 6x + 10$

2) $3(6x - 4) - 30x$

3) $7x - 4(5x - 1)$

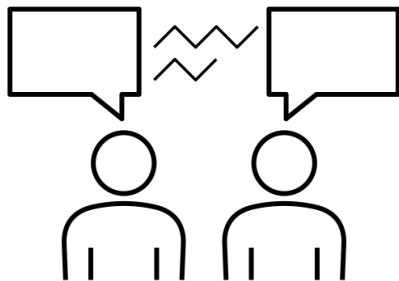
4) $8x - (x - 2)$

We can use our understanding of combining like terms when solving multi-step equations →

Solve each equation. Check your solution. For some of them, explain each step.

<p>Example: $-6x - 3(2x + 5) = -9$</p> <p><u>Work</u> <u>Explain</u></p>	<p>4) $r + 11 + 8r = 29$</p> <p><u>Work</u> <u>Explain</u></p>
<p>5) $-13 = 5(1 + 4m) - 2m$</p>	<p>6) $5x - (3x + 2) = 8$</p> <p><u>Work</u> <u>Explain</u></p>
<p>7) $\frac{-2x+10}{8} = 2$</p>	<p>8) $\frac{-2x}{8} + 10 = 2$</p> <p><u>Work</u> <u>Explain</u></p>

10) Jordan said the answer to the equation $-2x - 5 = -9$ is $x = 7$. Kendall said it was $x = 2$. Which one is correct? Justify your solution.



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