

Name _____ Period _____ Date _____

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Solving Equations with Variables on Both Sides #2 (page 1)

1. $8x - 24 = 6x + 36$

2. $8x - 24 = 5x + 36$

3. $8x - 24 = 3x + 36$

4. $8x - 24 = 2x + 36$

5. $8x - 24 = 8x + 36$

For problem #5:

What do you notice about the variable terms on each side of the equation? _____

What do notice about the constants? _____

Because of this, what is the solution? _____

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For problem #5:

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What do notice about the constants? _____

Because of this, what is the solution? _____

Solving Equations with Variables on Both Sides #2 (page 2)

6. $8x - 24 = 8x - 36$ For problem #6:

What do you notice about the variable terms on each side of the equation? _____

What do notice about the constants? _____

Because of this, what is the solution? _____

7. $-8x - 24 = -6x + 36$

8. $-8x - 24 = -5x + 36$

Solving Equations with Variables on Both Sides #2 (page 2)

6. $8x - 24 = 8x - 36$

For problem #6:

What do you notice about the variable terms on each side of the equation? _____

What do notice about the constants? _____

Because of this, what is the solution? _____

7. $-8x - 24 = -6x + 36$

8. $-8x - 24 = -5x + 36$