Name: _____

Equations with Variables on Both Sides A

Solve each equation. Get the variable terms on one side first.

Learn: Move the variable terms to one side and the numbers to the other side. Then divide.

Example: $5x - 5 = 4x - 3$ $x =$ 2

1. $4x - 8 = 5x - 16$ $x =$ _____
2. $3x + 8 = 5x - 12$ $x =$ _____
3. $4x + 9 = 6x + 7$ $x =$ _____
4. $6x + 10 = 3x + 19$ $x =$ _____
5. $2x + 3 = 6x - 21$ $x =$ _____
6. $3x - 6 = 5x - 20$ $x =$ _____
7. $6x - 4 = 5x + 5$ $x =$ _____
8. $2x - 9 = 6x - 41$ $x =$ _____
9. $6x - 6 = 2x + 30$ $x =$ _____
10. $2x - 4 = 4x - 24$ $x =$ _____
11. $2x + 5 = 5x + 2$ $x =$ _____
12. $6x - 4 = 2x + 4$ $x =$ _____

Name: **ANSWER KEY**

Equations with Variables on Both Sides A

Solve each equation. Get the variable terms on one side first.

Learn: Move the variable terms to one side and the numbers to the other side. Then divide.

Example: $5x - 5 = 4x - 3$ $x =$ 2

1. $4x - 8 = 5x - 16$ $x =$ 8
2. $3x + 8 = 5x - 12$ $x =$ 10
3. $4x + 9 = 6x + 7$ $x =$ 1
4. $6x + 10 = 3x + 19$ $x =$ 3
5. $2x + 3 = 6x - 21$ $x =$ 6
6. $3x - 6 = 5x - 20$ $x =$ 7
7. $6x - 4 = 5x + 5$ $x =$ 9
8. $2x - 9 = 6x - 41$ $x =$ 8
9. $6x - 6 = 2x + 30$ $x =$ 9
10. $2x - 4 = 4x - 24$ $x =$ 10
11. $2x + 5 = 5x + 2$ $x =$ 1
12. $6x - 4 = 2x + 4$ $x =$ 2