Name: _____

Equations with Variables on Both Sides B

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: $6x - 5 = 3x + 10$ $x =$ 5

1. $6x - 4 = 4x - 10$ $x =$ _____
2. $4x + 8 = 6x + 6$ $x =$ _____
3. $7x + 9 = 4x + 9$ $x =$ _____
4. $4x + 2 = 7x + 14$ $x =$ _____
5. $4x - 3 = 2x - 1$ $x =$ _____
6. $7x - 9 = 2x - 9$ $x =$ _____
7. $6x - 7 = 3x - 10$ $x =$ _____
8. $4x - 7 = 7x - 13$ $x =$ _____
9. $5x + 6 = 6x + 5$ $x =$ _____
10. $7x - 2 = 2x + 28$ $x =$ _____
11. $4x + 10 = 5x + 12$ $x =$ _____
12. $3x + 6 = 5x$ $x =$ _____

Name: **ANSWER KEY**

Equations with Variables on Both Sides B

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: $6x - 5 = 3x + 10$ $x =$ 5

1. $6x - 4 = 4x - 10$ $x =$ −3
2. $4x + 8 = 6x + 6$ $x =$ 1
3. $7x + 9 = 4x + 9$ $x =$ 0
4. $4x + 2 = 7x + 14$ $x =$ −4
5. $4x - 3 = 2x - 1$ $x =$ 1
6. $7x - 9 = 2x - 9$ $x =$ 0
7. $6x - 7 = 3x - 10$ $x =$ −1
8. $4x - 7 = 7x - 13$ $x =$ 2
9. $5x + 6 = 6x + 5$ $x =$ 1
10. $7x - 2 = 2x + 28$ $x =$ 6
11. $4x + 10 = 5x + 12$ $x =$ −2
12. $3x + 6 = 5x$ $x =$ 3