



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Solving Equations with Variables on Both Sides**

1.  $8x - 6 = 5x + 18$

6.  $6x + 12 = 2x + 64$

2.  $9x + 9 = 5x + 85$

7.  $7x + 12 = 5x + 34$

3.  $6x + 15 = 2x + 83$

8.  $7x - 10 = 5x + 20$

4.  $7x + 11 = 4x + 41$

9.  $6x + 2 = 3x + 14$

5.  $7x + 18 = 3x + 90$

10.  $6x - 7 = 2x + 27$



# Solving Equations with Variables on Both Sides – Answer Key

1.  $8x - 6 = 5x + 18$

$x = 4$

6.  $6x + 12 = 2x + 64$

$x = 13$

2.  $9x + 9 = 5x + 85$

$x = 19$

7.  $7x + 12 = 5x + 34$

$x = 11$

3.  $6x + 15 = 2x + 83$

$x = 17$

8.  $7x - 10 = 5x + 20$

$x = 5$

4.  $7x + 11 = 4x + 41$

$x = 10$

9.  $6x + 2 = 3x + 14$

$x = 4$

5.  $7x + 18 = 3x + 90$

$x = 18$

10.  $6x - 7 = 2x + 27$

$x = 5$