



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

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

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

1.  $5x = 1x + 24$

6.  $6x = 1x + 10$

2.  $5x = 2x + 6$

7.  $4x + 3 = 2x + 17$

3.  $4x + 7 = 3x + 17$

8.  $7x = 3x + 16$

4.  $2x + 9 = 1x + 14$

9.  $6x = 2x + 20$

5.  $5x + 5 = 3x + 13$

10.  $4x + 4 = 3x + 12$



# Solving Equations with Variables on Both Sides – Answer Key

1.  $5x = 1x + 24$

$x = 6$

6.  $6x = 1x + 10$

$x = 2$

2.  $5x = 2x + 6$

$x = 2$

7.  $4x + 3 = 2x + 17$

$x = 7$

3.  $4x + 7 = 3x + 17$

$x = 10$

8.  $7x = 3x + 16$

$x = 4$

4.  $2x + 9 = 1x + 14$

$x = 5$

9.  $6x = 2x + 20$

$x = 5$

5.  $5x + 5 = 3x + 13$

$x = 4$

10.  $4x + 4 = 3x + 12$

$x = 8$