



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

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

## Unit 2 – Solving Equations with Variables on Both Sides

1.  $8x = 3x + 30$

2.  $7x = 3x + 40$

3.  $4x + 7 = 3x + 14$

4.  $5x + 7 = 3x + 27$

5.  $8x = 4x + 8$

6.  $8x = 3x + 20$

7.  $5x + 6 = 3x + 10$

8.  $6x = 4x + 6$

9.  $8x = 4x + 36$

10.  $6x = 4x + 8$



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

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

## Unit 2 – Solving Equations with Variables on Both Sides

11.  $5x + 8 = 4x + 16$

12.  $4x + 8 = 3x + 19$

13.  $3x = 1x + 14$

14.  $6x = 1x + 30$

15.  $5x = 1x + 24$

16.  $8x = 3x + 50$



# Unit 2 – Solving Equations with Variables on Both Sides – Answer Key

1.  $8x = 3x + 30$

$x = 6$

2.  $7x = 3x + 40$

$x = 10$

3.  $4x + 7 = 3x + 14$

$x = 7$

4.  $5x + 7 = 3x + 27$

$x = 10$

5.  $8x = 4x + 8$

$x = 2$

6.  $8x = 3x + 20$

$x = 4$

7.  $5x + 6 = 3x + 10$

$x = 2$

8.  $6x = 4x + 6$

$x = 3$

9.  $8x = 4x + 36$

$x = 9$

10.  $6x = 4x + 8$

$x = 4$



# Unit 2 – Solving Equations with Variables on Both Sides – Answer Key

11.  $5x + 8 = 4x + 16$

$x = 8$

12.  $4x + 8 = 3x + 19$

$x = 11$

13.  $3x = 1x + 14$

$x = 7$

14.  $6x = 1x + 30$

$x = 6$

15.  $5x = 1x + 24$

$x = 6$

16.  $8x = 3x + 50$

$x = 10$