



Name: _____

Date: _____

Unit 2 – Solving Equations with Variables on Both Sides

1. $5x + 8 = 3x + 38$

2. $7x - 5 = 5x + 9$

3. $6x + 5 = 2x + 73$

4. $7x + 15 = 2x + 50$

5. $7x + 9 = 2x + 59$

6. $5x + 18 = 2x + 51$

7. $4x + 3 = 2x + 25$

8. $9x + 8 = 4x + 53$

9. $8x - 1 = 5x + 25$

10. $8x - 5 = 4x + 53$



Name: _____

Date: _____

Unit 2 – Solving Equations with Variables on Both Sides

$$11. 5x + 6 = 3x + 28$$

$$12. 8x - 5 = 4x + 25$$

$$13. 6x + 8 = 3x + 20$$

$$14. 6x + 6 = 2x + 78$$

$$15. 8x + 15 = 4x + 35$$

$$16. 10x + 9 = 6x + 41$$



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

1. $5x + 8 = 3x + 38$

$x = 15$

2. $7x - 5 = 5x + 9$

$x = 2$

3. $6x + 5 = 2x + 73$

$x = 17$

4. $7x + 15 = 2x + 50$

$x = 7$

5. $7x + 9 = 2x + 59$

$x = 10$

6. $5x + 18 = 2x + 51$

$x = 11$

7. $4x + 3 = 2x + 25$

$x = 11$

8. $9x + 8 = 4x + 53$

$x = 9$

9. $8x - 1 = 5x + 25$

$x = 8$

10. $8x - 5 = 4x + 53$

$x = 12$



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

$$11. 5x + 6 = 3x + 28$$

$$x = 11$$

$$12. 8x - 5 = 4x + 25$$

$$x = 5$$

$$13. 6x + 8 = 3x + 20$$

$$x = 4$$

$$14. 6x + 6 = 2x + 78$$

$$x = 18$$

$$15. 8x + 15 = 4x + 35$$

$$x = 5$$

$$16. 10x + 9 = 6x + 41$$

$$x = 8$$