



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

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

$$x = 4$$

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

$$x = 13$$

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

$$x = 19$$

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

$$x = 11$$

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

$$x = 17$$

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

$$x = 5$$

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

$$x = 10$$

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

$$x = 4$$

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

$$x = 18$$

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

$$x = 5$$