



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

$$1. 5x = 1x + 24$$

$$x = 6$$

$$6. 6x = 1x + 10$$

$$x = 2$$

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

$$x = 2$$

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

$$x = 7$$

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

$$x = 10$$

$$8. 7x = 3x + 16$$

$$x = 4$$

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

$$x = 5$$

$$9. 6x = 2x + 20$$

$$x = 5$$

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

$$x = 4$$

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

$$x = 8$$