



Name: _____

Date: _____

Unit 2 – Solving Equations with Variables on Both Sides

$$1. \ 5x = 2x + 6$$

$$2. \ 8x = 6x + 4$$

$$3. \ 7x - 40 = 4x - 1$$

$$4. \ 5x = 3x + 18$$

$$5. \ 9x - 75 = 3x - 3$$

$$6. \ 2(x + 5) = x + 17$$

$$7. \ 7x = 4x + 27$$

$$8. \ 4(x + 7) = x + 43$$

$$9. \ 9x = 7x + 18$$

$$10. \ 5x = 2x + 18$$



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Unit 2 – Solving Equations with Variables on Both Sides

$$11. 4(x + 5) = x + 53$$

$$12. 4(x + 4) = x + 25$$

$$13. 9x = 7x + 16$$

$$14. 8x = 3x + 40$$

$$15. 8x - 65 = 4x - 9$$

$$16. 9x - 50 = 6x - 11$$



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

$$1. \ 5x = 2x + 6$$

$$x = 2$$

$$2. \ 8x = 6x + 4$$

$$x = 2$$

$$3. \ 7x - 40 = 4x - 1$$

$$x = 13$$

$$4. \ 5x = 3x + 18$$

$$x = 9$$

$$5. \ 9x - 75 = 3x - 3$$

$$x = 12$$

$$6. \ 2(x + 5) = x + 17$$

$$x = 7$$

$$7. \ 7x = 4x + 27$$

$$x = 9$$

$$8. \ 4(x + 7) = x + 43$$

$$x = 5$$

$$9. \ 9x = 7x + 18$$

$$x = 9$$

$$10. \ 5x = 2x + 18$$

$$x = 6$$



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

$$11. 4(x + 5) = x + 53$$

$$x = 11$$

$$12. 4(x + 4) = x + 25$$

$$x = 3$$

$$13. 9x = 7x + 16$$

$$x = 8$$

$$14. 8x = 3x + 40$$

$$x = 8$$

$$15. 8x - 65 = 4x - 9$$

$$x = 14$$

$$16. 9x - 50 = 6x - 11$$

$$x = 13$$