



Name: _____

Date: _____

Unit 2 – Solving Multi-Step Equations

Solve each two-step equation. Show your work.

$$1. \quad 2x + 2 = 4$$

$$2. \quad \frac{x}{3} - 1 = 1$$

$$3. \quad 2x - 4 = 2$$

$$4. \quad \frac{x}{3} - 1 = 1$$

$$5. \quad 10x + 6 = 86$$

$$6. \quad \frac{x}{2} + 6 = 8$$

$$7. \quad 9x - 9 = 36$$

$$8. \quad 8x + 10 = 18$$

$$9. \quad 9x - 8 = 64$$

$$10. \quad 7x - 2 = 54$$



Name: _____

Date: _____

Unit 2 – Solving Multi-Step Equations

Solve each two-step equation. Show your work.

$$11. 6x - 10 = 26$$

$$12. 5x - 3 = 17$$

$$13. 4x + 10 = 18$$

$$14. 4x - 7 = 13$$

$$15. 3x - 7 = 5$$

$$16. 3x - 1 = 17$$



Unit 2 – Solving Multi-Step Equations – Answer Key

$$1. \quad 2x + 2 = 4$$

$x = 1$

$$2. \quad \frac{x}{3} - 1 = 1$$

$x = 6$

$$3. \quad 2x - 4 = 2$$

$x = 3$

$$4. \quad \frac{x}{3} - 1 = 1$$

$x = 6$

$$5. \quad 10x + 6 = 86$$

$x = 8$

$$6. \quad \frac{x}{2} + 6 = 8$$

$x = 4$

$$7. \quad 9x - 9 = 36$$

$x = 5$

$$8. \quad 8x + 10 = 18$$

$x = 1$

$$9. \quad 9x - 8 = 64$$

$x = 8$

$$10. \quad 7x - 2 = 54$$

$x = 8$



Unit 2 – Solving Multi-Step Equations – Answer Key

$$11. 6x - 10 = 26$$

$$x = 6$$

$$12. 5x - 3 = 17$$

$$x = 4$$

$$13. 4x + 10 = 18$$

$$x = 2$$

$$14. 4x - 7 = 13$$

$$x = 5$$

$$15. 3x - 7 = 5$$

$$x = 4$$

$$16. 3x - 1 = 17$$

$$x = 6$$