



Name: _____

Date: _____

Unit 2 – Linear Equations

1. $8x - 10 = 2x + 104$

2. $6x + 15 = 10x - 61$

3. $5x + 11 = 6x + 14$

4. $10x - 2 = 8x + 0$

5. $6x - 14 = 8x - 18$

6. $10x + 2 = 4x + 14$

7. $9x - 5 = 6x - 32$

8. $10x - 2 = 3x + 75$



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Unit 2 – Linear Equations

$$9. \quad 7x + 4 = 5x + 2$$

$$10. \quad 2x - 7 = 5x + 2$$

$$11. \quad 8x + 6 = 9x + 5$$

$$12. \quad 10x - 14 = 3x - 49$$

$$13. \quad 3x + 6 = 4x - 11$$

$$14. \quad 5x + 10 = 10x - 75$$

$$15. \quad 6x + 6 = 4x - 6$$

$$16. \quad 7x - 7 = 4x - 1$$



Unit 2 – Linear Equations – Answer Key

$$1. \ 8x - 10 = 2x + 104$$

$$x = 19$$

$$2. \ 6x + 15 = 10x - 61$$

$$x = 19$$

$$3. \ 5x + 11 = 6x + 14$$

$$x = -3$$

$$4. \ 10x - 2 = 8x + 0$$

$$x = 1$$

$$5. \ 6x - 14 = 8x - 18$$

$$x = 2$$

$$6. \ 10x + 2 = 4x + 14$$

$$x = 2$$

$$7. \ 9x - 5 = 6x - 32$$

$$x = -9$$

$$8. \ 10x - 2 = 3x + 75$$

$$x = 11$$



Unit 2 – Linear Equations – Answer Key

$$9. \quad 7x + 4 = 5x + 2$$

$$x = -1$$

$$10. \quad 2x - 7 = 5x + 2$$

$$x = -3$$

$$11. \quad 8x + 6 = 9x + 5$$

$$x = 1$$

$$12. \quad 10x - 14 = 3x - 49$$

$$x = -5$$

$$13. \quad 3x + 6 = 4x - 11$$

$$x = 17$$

$$14. \quad 5x + 10 = 10x - 75$$

$$x = 17$$

$$15. \quad 6x + 6 = 4x - 6$$

$$x = -6$$

$$16. \quad 7x - 7 = 4x - 1$$

$$x = 2$$