



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Algebra 1 – Unit 2 – What Are Solutions? (Medium)

1. Is  $x = 7$  a solution to  $4x + 2 = 35$ ? (1=Yes, 0=No)
2. Is  $x = 5$  a solution to  $2x + 4 = 19$ ? (1=Yes, 0=No)
3. Find the solution to  $3x + 10 = 31$
4. Is  $x = 2$  a solution to  $2x + 8 = 17$ ? (1=Yes, 0=No)
5. Find the solution to  $5x + 8 = 48$
6. Find the solution to  $6x + 3 = 39$
7. Find  $x$  if  $x + 11 = 24$
8. Find the solution to  $5x + 10 = 55$
9. Find  $x$  if  $x + 21 = 29$
10. Is  $x = 2$  a solution to  $3x + 8 = 19$ ? (1=Yes, 0=No)



# Algebra 1 – Unit 2 – What Are Solutions? (Medium) – Answer Key

1. Is  $x = 7$  a solution to  $4x + 2 = 35$ ? (1=Yes, 0=No)

$$x = 0$$

6. Find the solution to  $6x + 3 = 39$

$$x = 6$$

2. Is  $x = 5$  a solution to  $2x + 4 = 19$ ? (1=Yes, 0=No)

$$x = 0$$

7. Find  $x$  if  $x + 11 = 24$

$$x = 13$$

3. Find the solution to  $3x + 10 = 31$

$$x = 7$$

8. Find the solution to  $5x + 10 = 55$

$$x = 9$$

4. Is  $x = 2$  a solution to  $2x + 8 = 17$ ? (1=Yes, 0=No)

$$x = 0$$

9. Find  $x$  if  $x + 21 = 29$

$$x = 8$$

5. Find the solution to  $5x + 8 = 48$

$$x = 8$$

10. Is  $x = 2$  a solution to  $3x + 8 = 19$ ? (1=Yes, 0=No)

$$x = 0$$