



Name: _____

Date: _____

Algebra 1 – Unit 2 – Equations (Medium)

1. If $x = 5$, what equals $3x + 3$?

6. Verify: Is $x = 7$ a solution to $2x + 5 = 19$? (1=Yes, 0=No)

2. Find x if $x + 16 = 21$

7. Find x if $x + 11 = 13$

3. If $x = 2$, what equals $2x + 4$?

8. Verify: Is $x = 12$ a solution to $4x + 1 = 49$? (1=Yes, 0=No)

4. If $x = 3$, what equals $2x + 2$?

9. Verify: Is $x = 5$ a solution to $5x + 6 = 31$? (1=Yes, 0=No)

5. Find x if $x + 17 = 23$

10. If $x = 7$, what equals $4x + 9$?



Algebra 1 – Unit 2 – Equations (Medium) – Answer Key

1. If $x = 5$, what equals $3x + 3$?

$$x = 18$$

6. Verify: Is $x = 7$ a solution to $2x + 5 = 19$? (1=Yes, 0=No)

$$x = 1$$

2. Find x if $x + 16 = 21$

$$x = 5$$

7. Find x if $x + 11 = 13$

$$x = 2$$

3. If $x = 2$, what equals $2x + 4$?

$$x = 8$$

8. Verify: Is $x = 12$ a solution to $4x + 1 = 49$? (1=Yes, 0=No)

$$x = 1$$

4. If $x = 3$, what equals $2x + 2$?

$$x = 8$$

9. Verify: Is $x = 5$ a solution to $5x + 6 = 31$? (1=Yes, 0=No)

$$x = 1$$

5. Find x if $x + 17 = 23$

$$x = 6$$

10. If $x = 7$, what equals $4x + 9$?

$$x = 37$$