



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

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

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

1. Is  $x = 5$  a solution to  $7x = 2x + 7$ ?  (1=Yes, 0=No)
2. Find if  $x + 10 = 18$  has a solution.
3. Is  $x = 7$  a solution to  $5x = 1x + 8$ ?  (1=Yes, 0=No)
4. Does  $5x + 6 = 5x + 7$  have a solution?  (1=Yes, 0=No)  
Does  $6x = 2x + 10$  have a solution?  (1=Yes, 0=No)
5. Does  $2x + 15 = 2x + 18$  have a solution?  (1=Yes, 0=No)  
Does  $2x + 13$  have a solution?  (1=Yes, 0=No)



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

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

Find if  $x + 13 = 20$   
 $x = 7$

2. Find if  $x + 10 = 18$   
 $x = 8$

Does  $2x + 9 = 2x + 11$  have a solution?  
 $x = 0$

3. Is  $x = 7$  a solution to  $5x = 1x + 8$ ? (1=Yes, 0=No)  
 $x = 0$

Find where  $4x + 9 = 2x$   
 $x = 2$

4. Does  $5x + 6 = 5x + 7$  have a solution? (1=Yes, 0=No)  
 $x = 0$

Does  $6x = 2x + 10$ ? (1=Yes, 0=No)  
 $x = 0$

5. Does  $2x + 15 = 2x + 18$  have a solution? (1=Yes, 0=No)  
 $x = 0$

$x = 0$