

## Identifying solutions to an inequality: Worksheet 3.2

Name ..... Date ..... Score .....

1. Is the following inequality true or false?  
 $6 < y/4, y = 25$
2. Is the following inequality true or false?  
 $x - 6 > 9, x = 15$
3. Is 2 a solution to this inequality?  
 $3x + 14 > 21$
4. Is 6 a solution to this inequality?  
 $3x \geq 18$
5. Is 4 a solution to this inequality?  
 $6x+14 > 29$
6. Is the following inequality true or false?  
 $x - 4 > 9, x = 10$
7. Is 16 a solution to this inequality?  
 $x/3 > 9$
8. Is the following inequality true or false?  
 $x - 11 < 9, x = 18$
9. Is 9 a solution to this inequality?  
 $16 > x+7$
10. Is the following inequality true or false?  
 $19 - y \geq 5, y = 10$



## Solutions: Worksheet 3.2

1. True
2. False
3. No
4. Yes
5. Yes
6. False
7. No
8. True
9. No
10. True

