

## Identifying solutions to an inequality: Worksheet 3.3

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

1. Is 3 a solution to this inequality?  
 $3x + 14 > 24$
2. Is the following inequality true or false?  
 $y - 4 < 9, y = 15$
3. Is 4 a solution to this inequality?  
 $6x + 9 > 27$
4. Is 9 a solution to this inequality?  
 $2x \geq 18$
5. Is the following inequality true or false?  
 $7 > z/4, z = 30$
6. Is the following inequality true or false?  
 $x - 3 > 4, x = 11$
7. Is 15 a solution to this inequality?  
 $x/2 < 8$
8. Is the following inequality true or false?  
 $x - 9 < 12, x = 15$
9. Is 6 a solution to this inequality?  
 $16 < x + 7$
10. Is the following inequality true or false?  
 $17 - y \leq 7, y = 10$



## Solutions: Worksheet 3.3

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

