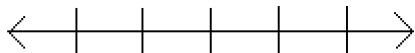
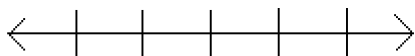


**HW - Solving and Graphing Inequalities***Graph each inequality.*

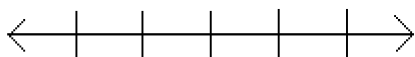
1.  $y \geq -2$



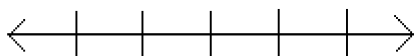
2.  $g < 6$



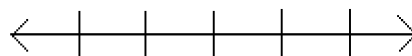
3.  $p \leq -8$



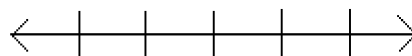
4.  $r > 5$

*Solve and graph each inequality.*

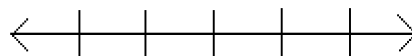
5.  $x - 16 \geq 6$



6.  $3k \leq 27$



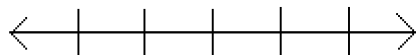
7.  $\frac{z}{3} < 4$



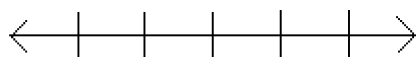
Name: \_\_\_\_\_

ID: A

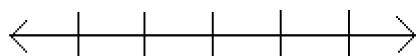
8.  $c+15 < 20$



9.  $8m > 48$



10.  $\frac{y}{2} \geq 8$



11. Circle **all** the values for  $x$  that make the following inequality true.

$$x \leq -3$$

**A**  $x = -10$

**B**  $x = -5$

**C**  $x = -3$

**D**  $x = 0$

**E**  $x = 5$

12. a. List three values for  $h$  that make the following inequality true.  
b. List three values for  $h$  that make the following inequality not true.

$$h \geq -19$$

**HW - Solving and Graphing Inequalities****Answer Section**

1. Shaded in point on  $-2$ , arrow pointing to the right
2. Point not shaded in on  $6$ , arrow pointing to the left
3. Shaded in point on  $-8$ , arrow pointing to the left
4. Point not shaded in on  $5$ , arrow pointing to the right
5.  $x \geq 22$   
Point Shaded In  
Arrow to the Right
6.  $k \leq 9$   
Point Shaded In  
Arrow to the Left
7.  $z < 12$   
Point Not Shaded In  
Arrow to the Left
8.  $c < 5$   
Point Not Shaded In  
Arrow to the Left
9.  $a > 6$   
Point Not Shaded In  
Arrow Pointing to the Right
10.  $y \geq 16$   
Point Shaded In  
Arrow Pointing to the Right
11. A, B, C
12. a. Three values where  $h \geq -19$   
b. Three values where  $h < -19$