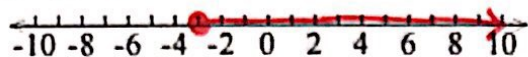


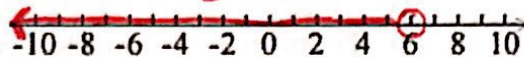
## Day 1 – Understanding Inequalities - Practice

Graph the inequalities on a number line:

1.  $m \geq -3$



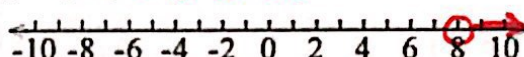
2.  $6 > y \rightarrow y < 6$



3.  $-1 \leq x \rightarrow x \geq -1$

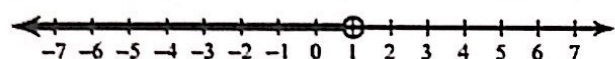


4.  $8 < a \rightarrow a > 8$



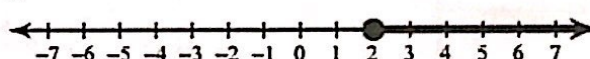
Write the inequality shown by each graph:

5.



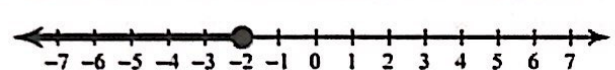
$x < 1$

6.



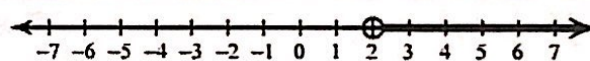
$x \geq 2$

7.



$x \leq -2$

8.



$x > 2$

9. Explain how to write an inequality that is modeled by a graph. What characteristics do you look for in the graph?

- First, look where the circle is placed. You'll use that number.
- Second, look at whether the circle is open or closed. This tells you where to put a line underneath the inequality symbol or not.
- Third, look at the direction the line is shaded. This tells you whether you will use the greater than or less than symbol.