

## IS EVERYTHING EQUAL?

Substitute each variable to determine whether the inequality statement is true or false.

1.  $k + 12 \geq 20, k = 15$

2.  $16 > f, f = 17$

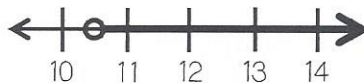
3.  $9 > d, d = 3$

Write an inequality for each solution set graphed below.

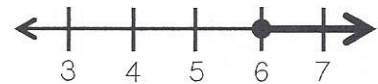
4.



5.



6.

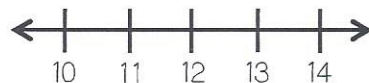
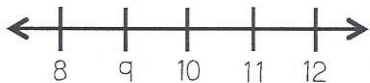


Practice graphing the following inequalities:

7.  $k \leq 8$

8.  $13.5 \geq f$

9.  $d < 4$



Based on each of the verbal expressions below, write and graph an inequality.

10. The Parkland Zoo has a maximum capacity of 350 visitors ( $v$ ).



11. Trina must spend at least 45 minutes ( $m$ ) studying for her test.

