## M9 - 9.0 - Inequalities Review

5 is less than 8. 5 < 8 8 is greater than 5. 5 < 8 > 5

7 is less than or equal to 7.  $7 \le 7$ 9 is greater than or equal to 7.  $9 \ge 7$ 

8

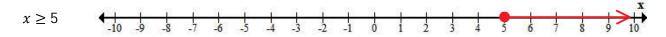
≤,≥ \* [] ——— Included (closed, square, solid)

The alligator eats the bigger section.

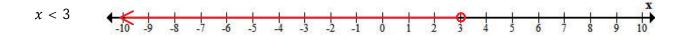
<, >  $\circ$  ()  $(-\infty, \infty)$  ————

Not Included (open, round, dotted)

## **Sketching Inequalities**



Place a <u>closed circle</u> at 5 on the number line (when a x can equal 5) Draw a line with an arrow to the right (greater than)



Place an <u>open circle</u> at 3 (when *x* cannot equal 3) Draw a line with an arrow to the left (less than)

