Vocab	A solution set is the set of
	all solutions of an inequality.
	Example
	The solution set for the example
	x + 3 ≤ 7
	is 3 and 4.

Complete numbers 4-6 in your composition book.

Tell whether the given value is a solution of the inequality.

5)
$$7y < 27$$
; $y = 4$
 $7(4) < 27$ No, 4 is not a solution $28 < 27$

6)
$$\frac{z}{3} \ge 5$$
; $z = 15$
Yes, 15 is a solution.
 $\frac{15}{3} \ge 5$
 $5 \ge 5$

Complete numbers 5 - 7 on your notes page. Tell whether 3 is a solution of the inequality.

6)
$$9 - n \ge 6$$

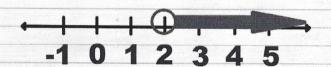
 $9 - 3 \ge 6$ Yes, 3 is a solution.
 $6 \ge 6$

7)
$$18 \div x \le 10$$
 Yes, 3 is a solution. $6 \le 10$

graph of All of the solutions of an inequality ar shown on a number line. an inequality Use an open circle when the number is NOT part of the solution. a closed circle when the number IS part of the solution. The arrow to the right or left shows that the graph continues in that direction.

Complete numbers 4-6 in your composition book

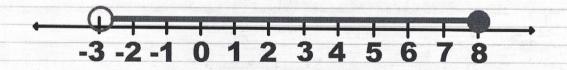
4) Graph g > 2



5) **Graph** 7 ≤ f



6) Graph $8 \ge p > -3$

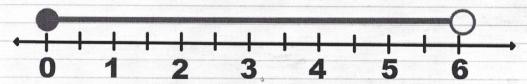


Complete numbers 8 - 10 on your notes page.

8) **Graph** a < 4



9) Graph $6 > n \ge 0$



10) Graph f **≤** -8

