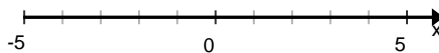




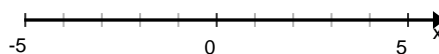
## Graphing Inequalities

Graph the solutions to these inequalities on the number line given, if the replacement set is the set of real numbers.

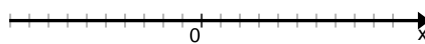
**Example:**  $x > 2$



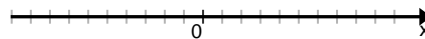
**Example:**  $x \leq 5$



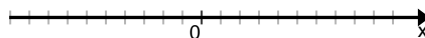
1.  $x < 4$



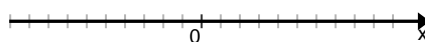
2.  $x \leq 1$



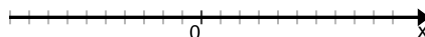
3.  $x > 3.5$



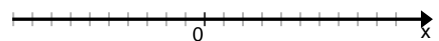
4.  $x \geq \frac{1}{2}$



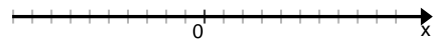
5.  $x < -5$



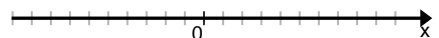
6.  $x > -8$



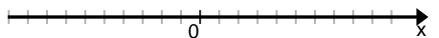
7.  $x \geq 7.5$



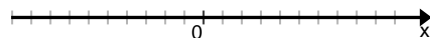
8.  $x \leq 4\frac{3}{4}$



9.  $x \leq -2$



10.  $x \geq 9$



**Remember:** When graphing inequalities, use an open or unshaded circles for statements involving  $<$  or  $>$ , and a closed or shaded circles for statements involving  $\leq$  or  $\geq$ .