

These are the symbols and ways to graph inequalities. Use this as a reference when you are working on solving inequalities.

$>$  **Greater Than**

$\geq$  **Greater Than or Equal To** (The line underneath the greater than sign indicates also equal to)

$<$  **Less Than** (Tip: To remember this sign, if you open the sign up a little more, it would look like a capital L for less than)

$\leq$  **Less Than or Equal To** (The line underneath the less than sign indicates also equal to)

### Graphing Symbols

$\circ \rightarrow$  **Greater Than** (The open circle indicates that this is **NOT Equal** to the numeral graphed.

$\bullet \rightarrow$  **Greater Than or Equal To** (The closed circle indicates that this is **Equal to** the numeral graphed.

$\leftarrow \circ$  **Less Than** (The open circle indicates that this is **NOT Equal** to the numeral graphed.

$\leftarrow \bullet$  **Less Than or Equal To** (The closed circle indicates that this is **Equal to** the numeral graphed.

**Sarah is greater than 20 years old.**

$s = \text{Sarah}$

$$s > 20$$



**Sue's height is greater than or equal to 5 feet tall.**

$s = \text{Sue's height}$

$$s \geq 5$$



**Mike is less than 5 feet tall.**

$m = \text{Mike's height}$

$$m < 5$$



**Tom is less than or equal to 15 years old.**

$t = \text{Tom's age}$

$$t \leq 15$$

