

**Inequality** – An inequality is a statement with the symbol  $<$ ,  $\leq$ ,  $>$ , or  $\geq$  between numerical or variable expressions.

**Inequalities** when solving if you multiple or divide by a negative **change** (flip)

the inequality; when graphing follow these 4 rules:

- i) if  $y >$  the graph is be dotted and shaded above,
- i i) if  $y \geq$  the graph is be solid and shaded above,
- iii) if  $y <$  the graph is be dotted and shaded below,
- iv) if  $y \leq$  the graph is be solid and shaded below,