

Multiplying and Dividing Inequalities  
\* Flip inequality sign when you  $\times$  or  $\div$   
by a NEGATIVE number.

$$\begin{array}{l} \text{EX. } -5x \geq 10 \\ \hline -5 \quad -5 \leftarrow \text{Flip} \\ \hline \boxed{x < -2} \end{array}$$

$$\begin{array}{l} \text{EX. } 5x > -10 \\ \hline 5 \quad 5 \\ \hline \boxed{x > -2} \end{array}$$

$$\begin{array}{l} \text{EX. } x \geq 3 \cdot -10 \\ \cdot -10 \\ \cdot -10 \\ \hline \boxed{x \leq -30} \end{array}$$

Pg. 146 (3-47 odd)