

INEQUALITIES

NOT SAME

$$x = 2$$

$>$ "greater than"

$<$ "less than"

\geq "greater than or equal to"

\leq "less than or equal to"

\neq "not equal"

* Read from left to right

GRAPH
 $p > 2$



$$x \leq -1$$



OPEN CIRCLES $\left\{ \begin{array}{l} > \text{ "greater than" } \\ < \text{ "less than" } \end{array} \right.$

CLOSED CIRCLES $\left\{ \begin{array}{l} \geq \text{ "greater than or equal to" } \\ \leq \text{ "less than or equal to" } \end{array} \right.$

\neq "not equal"

$$x > \frac{1}{2}$$



SOLVE:

$$x + 1 \geq 5$$

$$x \geq 4$$

$$\frac{3h}{3} < \frac{9}{-3}$$

$$h > -3$$

* multiply or divide by a negative flip inequality