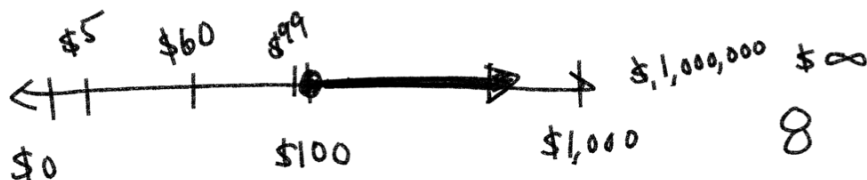


$x \geq \$100$

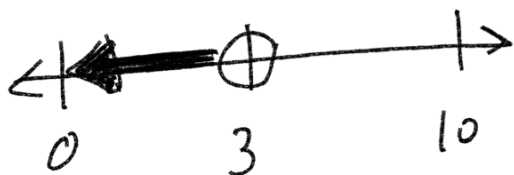


>
Greater
than

<
Less
than

$8 < 9$

$x < 3$



\geq
Greater than
or equal to

\leq
Less than
or
equal to

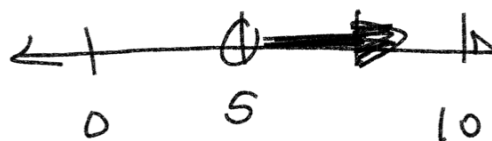
$> <$
 \circ

\geq

$x \geq 4$

$\geq \leq$
 \bullet

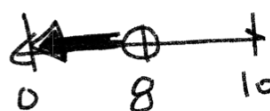
$5 < x$



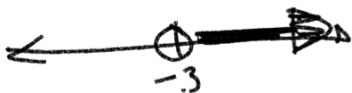
1.) $x \leq 7$



2.) $8 > x$



3.) $x > -3$

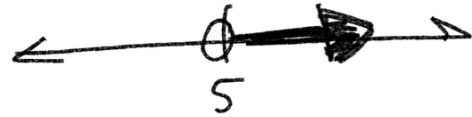


4.) $-12 \leq x$



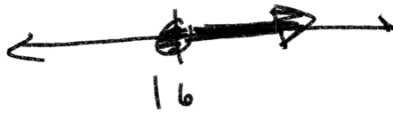
$$\begin{array}{r} x + 3 = 8 \\ -3 \quad -3 \\ \hline x = 5 \end{array}$$

$$\begin{array}{r} x + 3 > 8 \\ -3 \quad -3 \\ \hline x > 5 \end{array}$$

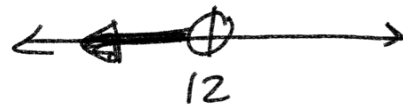


$$\begin{array}{r} 12 \leq x - 4 \\ +4 \quad +4 \\ \hline 16 \leq x \end{array}$$

$$\begin{array}{r} 16 \leq x \\ \hline x \geq 16 \end{array}$$



$$\begin{array}{r} 3\left(\frac{x}{3}\right) < (4)3 \\ \hline x < 12 \end{array}$$

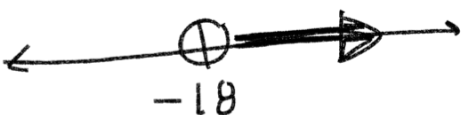


$$\begin{array}{r} -5x \geq 35 \\ \hline -5 \quad -5 \\ \hline x \leq -7 \end{array}$$

$$x \leq -7$$

* Whenever you multiply or divide by a negative, you must flip the inequality.

$$\begin{array}{r} -6\left(\frac{x}{-6}\right) < (3)(-6) \\ \hline x < -18 \end{array}$$



$$\begin{array}{r} 8x \geq -32 \\ \hline 8 \quad 8 \\ \hline x \geq -4 \end{array}$$



1.)

$$x - 8 \leq -3$$

$$\begin{array}{ccc} +8 & & +8 \end{array}$$

$$x \leq 5$$



2.)

$$15 < x + 4$$

$$\begin{array}{ccc} -4 & & -4 \end{array}$$

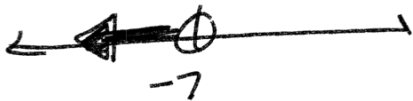
$$11 < x$$



3.)

$$\frac{-6x}{-6} > \frac{42}{-6}$$

$$x < -7$$



$$9(-4) \leq \left(\frac{x}{9}\right) 9$$

$$-36 \leq x$$

