M-A1 Algebra 1 Week 13 12/12 ← left

$x \geq \$100$

$>$ Greater than

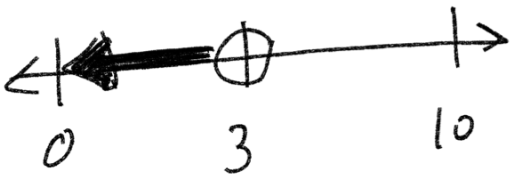
$<$ Less than

$8 < 9$

$x < 3$

$\geq$ Greater than or equal to

$\leq$ Less than or equal to

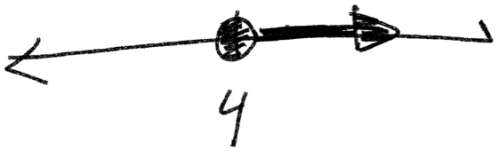


$><$

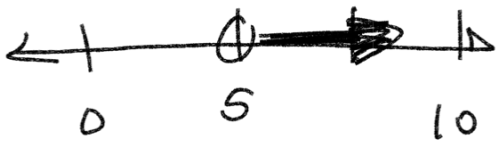
0

$\geq \leq$

$x \geq 4$

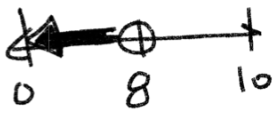


$5 < x$

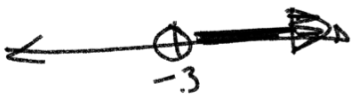


1.) $x \leq 7$

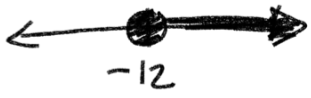
2.) $8 > x$



3.) $x > -3$



4.) $-12 \leq x$



$x + 3 = 8$

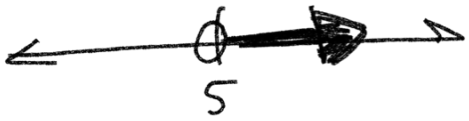
$-3 \quad -3$

$x = 5$

$x + 3 > 8$

$-3 \quad -3$

$\boxed{x > 5}$



$12 \leq x - 4$

$+4 \quad +4$

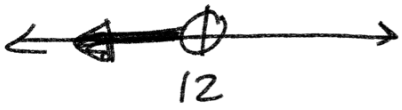
$\boxed{16 \leq x}$

$16 \leq x$

$x \geq 16$

$3\left(\frac{x}{3}\right) < (4)3$

$x < 12$



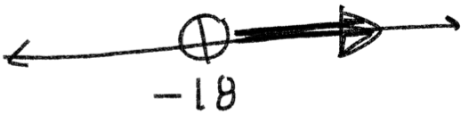
$\frac{-5x}{-5} \geq \frac{35}{-5}$

$\boxed{x \leq -7}$

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

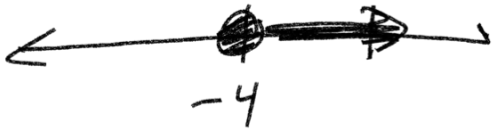
$-6\left(\frac{x}{-6}\right) < (3)(-6)$

$x < -18$



$\frac{8x}{8} \geq \frac{-32}{8}$

$x \geq -4$



1.) $x - 8 \leq -3$

$+8 \quad +8$

$\boxed{x \leq 5}$

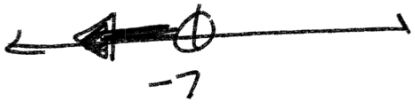
2.) $15 < x + 4$

$-4 \quad -4$

$\boxed{11 < x}$

3.) $\frac{-6x}{-6} > \frac{42}{-6}$

$x < -7$



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

$-36 \leq x$