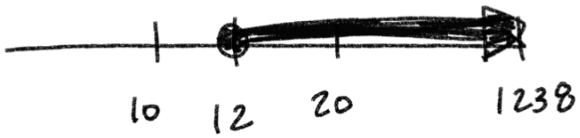
W-A1 Algebra 1 12/8

$x \geq \$12$



$>$ Greater than

$<$ Less than

$x < 3$

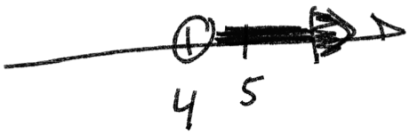
$8 \lll 9$

$\geqq$ $\geq$ Greater than or equal to

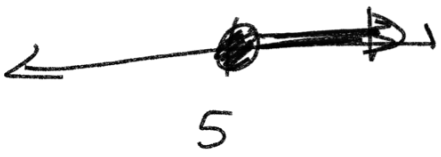
$\leqq$ $\leq$ less than or equal to.

$>\ <$ $\geq\ \leq$

1.) $x > 4$

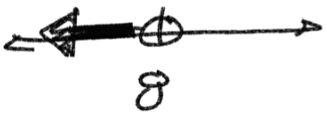


2.) $5 \leq x$ 10

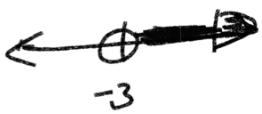


3.) $x \leq 7$

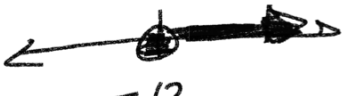
4.) $8 > x$



5.) $x > -3$



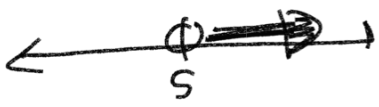
6.) $-12 \leq x$



1.) $x + 3 > 8$

$-3 \quad -3$

$x > 5$



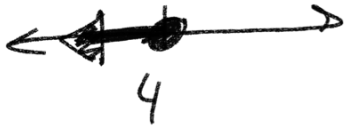
2.) $12 \leq x - 4$

$+4 \quad +4$

$16 \leq x$

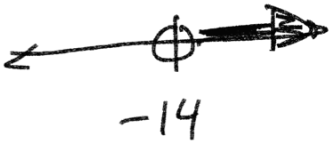
3.) $\frac{8x}{8} \leq \frac{32}{8}$

$x \leq 4$



4.) $2(-7) < \left(\frac{x}{2}\right)2$

$-14 < x$



$-4x < 24$

$\frac{-4}{-4} \downarrow \frac{}{-4}$

$x > -6$

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

1.) $\frac{8x}{8} > \frac{-32}{8}$

$x > -4$

2.) $-3(5) \leq \left(\frac{x}{-3}\right)(-3)$

$-15 \geq x$