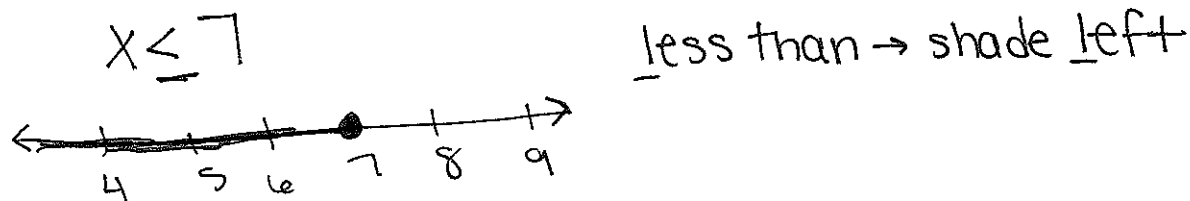
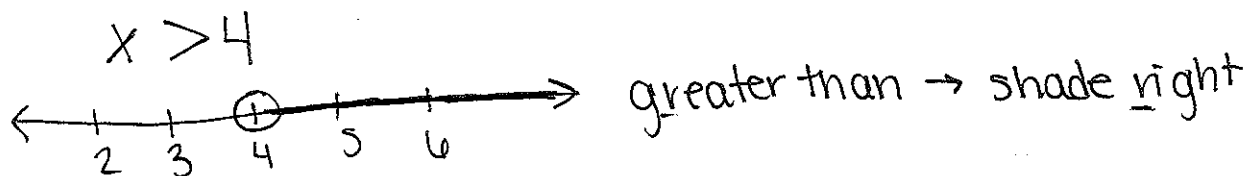


$<$ less than (\circ -open dot)

\leq less than or equal to (\bullet -closed dot)

$>$ greater than (\circ -open dot)

\geq greater than or equal to (\bullet -closed dot)

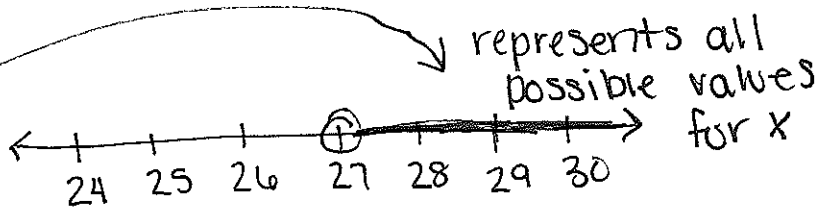


Example: Solve and graph on a number line

① $\frac{x}{3} + 3 > 12$

$\frac{x}{3} > 9$ (3)

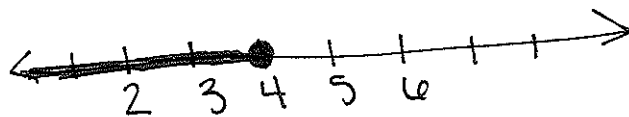
$x > 27$



② $2x - 5 \leq 3$

$2x \leq 8$

$x \leq 4$



$$\textcircled{3} \quad -3x \overset{+7}{\cancel{-7}} \geq \overset{+7}{\cancel{11}}$$

$$\begin{array}{l} \cancel{-3}x \geq \cancel{18} \\ \cancel{-3} \quad \downarrow \text{Flip} \quad \cancel{-3} \\ \boxed{x \leq -6} \end{array}$$

* if you multiply or divide
by a negative, you must flip
the inequality sign *