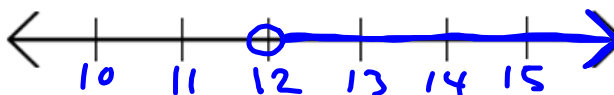


Warm up

February 12

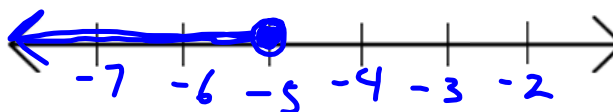
Graph the following equations.

1.  $x > 12$



2.  $-5 \geq a$

$a \leq -5$

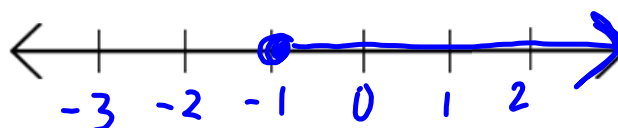


3.  $3 \leq 5 + 2b$

$-\frac{2}{2} \leq \frac{2b}{2}$

$-1 \leq b$

$b \geq -1$



Solving inequalities is the same as solving equalities...

except

for dividing and multiplying by a negative number.

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When dividing or multiplying by a negative number switch the direction of the inequality sign.

Example  $-2x < 6$

$$\frac{-2x}{-2} < \frac{6}{-2}$$

$$x > -3$$

Class / Homework

$$-3 \leq r \quad r \geq -3$$

Worksheet #1



Graphing Single Variable Inequalities

If completed...

$$12. \quad \begin{array}{l} -z > 1 \\ \underline{-1} \quad \underline{-1} \\ z < -1 \end{array}$$

Worksheet #2

One Step Inequalities (Add and Subtract)