

Solving and Graphing Two-Step Inequalities Notes

Multiplying or Dividing by a Negative Reminder:
When multiplying or dividing by a negative, flip the inequality

Flipping the Inequality:

$< \rightarrow >$

$> \rightarrow <$

$\leq \rightarrow \geq$

$\geq \rightarrow \leq$

Inverses Reminder:

Addition and Subtraction

Multiplication and Division

Example 1:

$$2x + 10 \leq 14$$

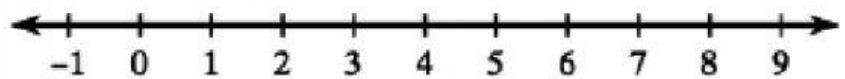
$$2x + 10 \leq 14$$

$$2x \leq$$

$$x \leq$$

Interval Notation Solution:

$$x =$$



Graphing Tool Kit:



Example 2:

$$\frac{x}{4} + 2 > -2$$

$$\frac{x}{4} + 2 > -2$$

$$\frac{x}{4} >$$

$$x >$$

Interval Notation Solution:

$$x =$$



Graphing Tool Kit:

