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:

$< \rightarrow >$ $\quad > \rightarrow <$ $\quad \leq \rightarrow \geq$ $\quad \geq \rightarrow \leq$

Inverses Reminder:

Addition and Subtraction

Multiplication and Division

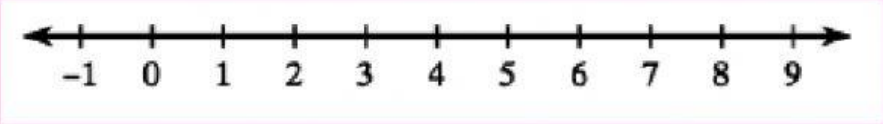
Example 1:

$2x + 10 \leq 14$

$2x + 10 \leq 14$

$2x \leq$

$x \leq$



Drop unused symbols

Graphing Tool Kit:

Interval Notation Solution:

$x =$

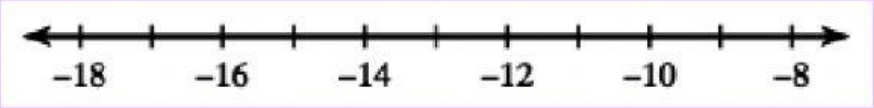
Example 2:

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

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

$\frac{x}{4} >$

$x >$



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Graphing Tool Kit:

Interval Notation Solution:

$x =$

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