

Section 2.7a: Graphing Linear Inequalities

Caleb Bibb

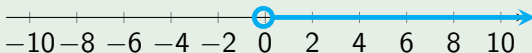
"I can graph inequalities on a number line."

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Graphing Inequalities on the number line

Example

$<$ and $>$ use hollow points



$$(0, \infty)$$

Example

\leq and \geq use solid points

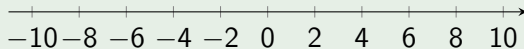


$$(-\infty, -1]$$

We Do 1:

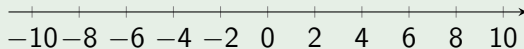
Example

Graph $x > 2$



Example

Graph $[2, \infty)$



You Do 1:

You Do 1a

Graph $x < 4$



You Do 1b

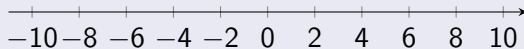
Graph $[2, \infty)$



You Do 2:

You Do 2a

Graph $x \geq 3$



You Do 2b

Graph $(-\infty, \frac{3}{4})$

