

4.6 Graphing Inequalities on a Number Line

Chapter 4: Integers and the Coordinate Plane

Name: _____

Date: _____

Class/Period: _____

Problem 4.83 Directions:

Graph each inequality on a number line.

$$x < 4$$

Problem 4.86 Directions:

Graph each inequality on a number line.

$$x \leq 8$$

Problem 4.84 Directions:

Graph each inequality on a number line.

$$x > -2$$

Problem 4.87 Directions:

Graph each inequality on a number line.

$$x > 0$$

Problem 4.85 Directions:

Graph each inequality on a number line.

$$x \geq 6$$

Problem 4.88 Directions:

Graph each inequality on a number line.

$$x \leq -6$$

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Chapter 4: Integers and the Coordinate Plane

Problem 4.89 Directions:

Graph each inequality on a number line.

$$x \geq -4$$

Problem 4.92 Directions:

Graph each inequality on a number line.

$$x \leq -1\frac{1}{2}$$

Problem 4.90 Directions:

Graph each inequality on a number line.

$$x < -4$$

Problem 4.93 Directions:

Graph each inequality on a number line.

$$x \geq \frac{3}{4}$$

Problem 4.91 Directions:

Graph each inequality on a number line.

$$x > 2.5$$

Problem 4.94 Directions:

Graph each inequality on a number line.

$$x < -0.2$$

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Problem 4.95 Directions:

Graph each inequality on a number line.

Write the inequality for an open point at 5 with shading right.

Problem 4.98 Directions:

Graph each inequality on a number line.

Write and graph: a temperature is below -3° .

Problem 4.96 Directions:

Graph each inequality on a number line.

Write the inequality for a closed point at -7 with shading left.

Problem 4.99 Directions:

Graph each inequality on a number line.

Which integers from -5 through 5 satisfy $x > -2$?

Problem 4.97 Directions:

Graph each inequality on a number line.

Write and graph: a number is no more than 12 .

Problem 4.100 Directions:

Graph each inequality on a number line.

Which values $-2, -1.5, 0, 2$ satisfy $x \leq -1.5$?