

Algebra II

2-1

Solving Linear Inequalities

Graph the following:

$$x < 5 \quad \leftarrow \text{-----} \rightarrow$$

interval notation:

$$x \geq -2 \quad \leftarrow \text{-----} \rightarrow$$

interval notation:

Solve. (pg 62)

1) $x - 7 > -5$

5) $-5x < 10$



17) $5(x - 7) + 2(1 - x) > 3(x - 11)$



Tell whether each statement is always, sometimes, or never true for all real numbers. If you think it is not, give a numerical example to support your answer.

25) If $a < b$, then $a - c < b - c$

Assignment:

pg. 62

Oral: 11-16 all

Written:

2-32 even