

# Algebra I

6-1

## Solving Linear Inequalities

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inequality -

List and name all the inequality symbols:

1)


2)

3)

4)

5)

Graph the following:

1)  $x < 5$  

2)  $x \geq -2$  

3)  $x > 0$  

4)  $x \leq -6$  

Solve each inequality, and graph its solution.

5)  $x - 7 > -5$

6)  $6 > y - 3.3$



7)  $x + 7 \geq 4$

8)  $x + 3\frac{1}{4} < 5$



Tell whether each statement is true for all real numbers. If you think it is not, give a numerical example to support your answer.

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

Assignment: pg 359 1-9 all, 14-28 all, 31-34, 36, 38
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