Inequalities – Quick Reference

Inequality Symbols

- Less Than <
- Less Than OR Equal To ≤
- Greater Than >
- ≥ Greater Than or Equal To

Graphing Inequalities in One Variable

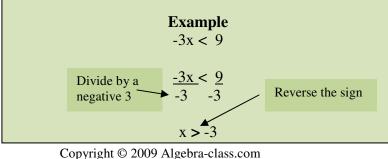
Graphing Symbols

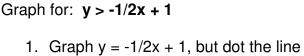
- Greater Than (The open circle indicates that this is NOT Equal to the numeral graphed.
- Greater Than or Equal To (The closed circle indicates that this is Equal to the numeral graphed.
 - Less Than (The open circle indicates that this is NOT Equal to the numeral graphed.

Less Than or Equal To (The closed circle indicates that this is Equal to the numeral graphed.

Special Rule - Just for Inequalities

Whenever you multiply or divide by a negative number, you MUST reverse the sign.



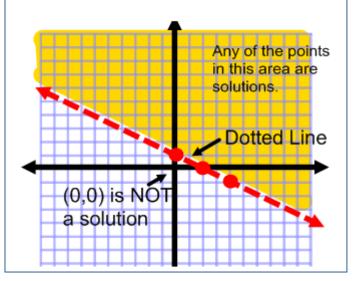


since the symbol is >. The points on the line are **not** solutions. 2. Pick a point such as (0,0) and

Graphing Inequalities in Two

Variables

substitute it into the inequality. (0,0) is not a solution, therefore, shade the side of the line that does not contain (0,0).



Systems of Inequalities

Graph each inequality as shown above. **ONLY** the area that is shaded by **BOTH** inequalities is the solution set (orange section)

