

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





x > -3

## Graphing Inequalities in Two Variables

Graph for: y > -1/2x + 1

- 1. Graph y = -1/2x + 1, but dot the line since the symbol is >. The points on the line are **not** solutions.
- Pick a point such as (0,0) and 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)

