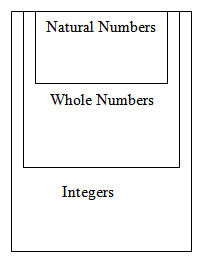
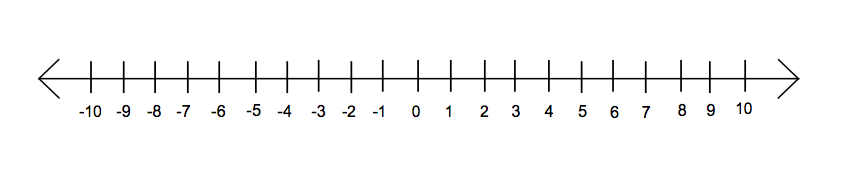
**6.1 - Graphing Linear Inequalities in Two Variables**



A mathematical inequality must contain one of the following: > > < < 

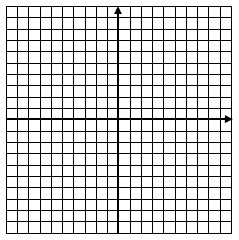
Examples of linear inequalities in a **single** variable: 

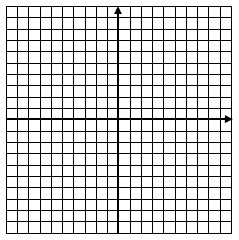
The **solution** to a single variable inequality can be shown on a number line:



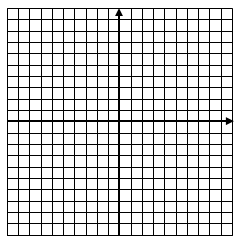
Solutions for a **double variable inequality** can be shown on a Cartesian plane.

**Example:** Graph the solution set for



**Example 2:** Graph the solution set for each linear inequality on a Cartesian plane.



1. {(x,y)| -3y + 6 -6, x