

## Lesson 13

### Graphing Linear Inequalities

To graph a linear inequality, start by finding the slope, y-intercept, and plot the points for the line. Then, use the following rules for the type of line, the shading, and complete your graph.

Inequality	Type of Line
$<$ or $>$	dotted
$\leq$ or $\geq$	solid

Inequality	Shading
$<$ or $\leq$	Below the line
$>$ or $\geq$	Above the line

Example: Graph each of the following inequalities.

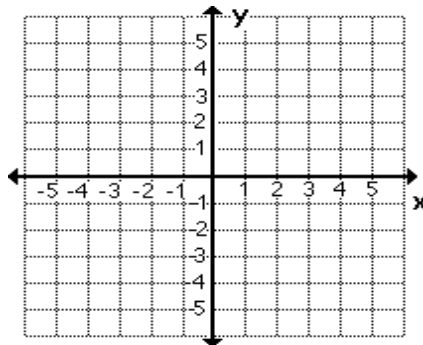
1.  $y < \frac{2}{3}x - 3$

Slope (m) :

y-intercept:

type of line:

shading:



2.  $y \geq -3x$

Slope (m) :

y-intercept:

type of line:

shading:

