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
≤ or ≥	solid

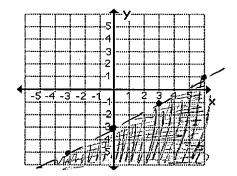
Inequality	Shading
< or ≤	Below the line
> or ≥	Above the line

1. Plot y-intercept
2. Apply Slope to y-intercept
3. Connect with a solidor dashed line
4. Shade above or below.

Example: Graph each of the following inequalities.

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

Slope (m):
$$\frac{2}{3}$$



2. $y \ge -3x$

