

NAME _____

Date _____ Period _____

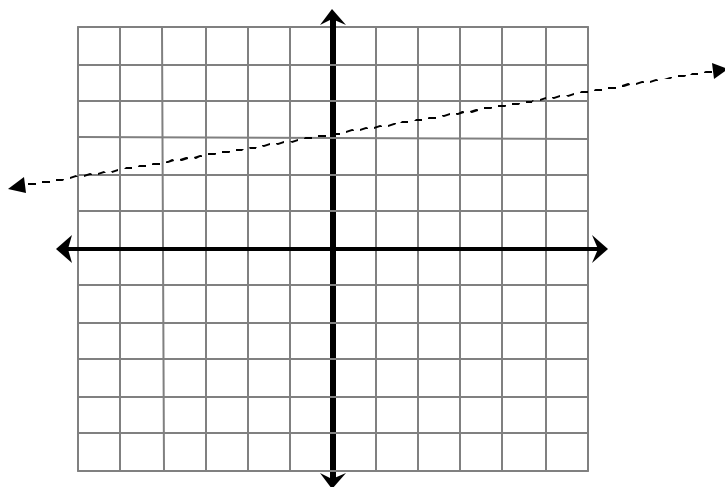
Section 6.1

ALGEBRA

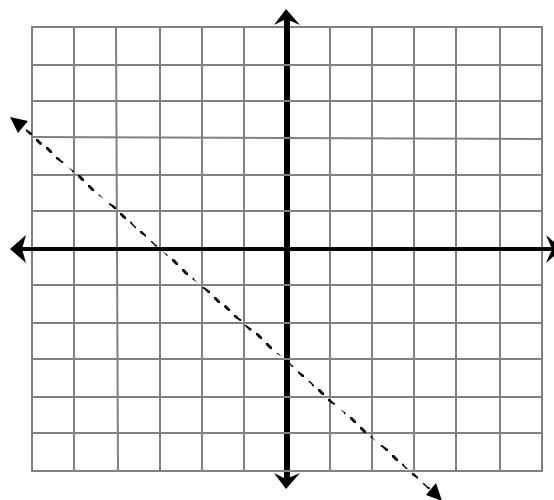
Graphing Inequalities in the Coordinate Plane: Practice A

1. Shade the correct region for each line below.

$$y > \frac{1}{5}x + 3$$

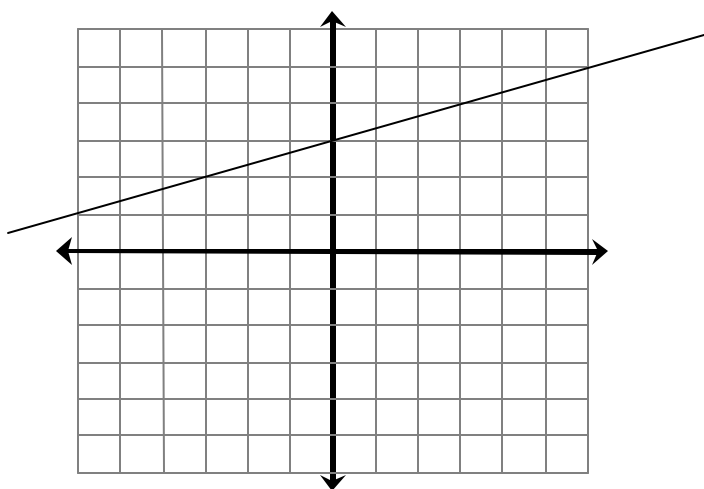


$$y > -x - 3$$



2. Shade the correct region below, and then determine if each point is a solution.

$$y \leq \frac{1}{3}x + 3$$



Plot the following points on the graph:

A (3, 3)

B (3, 4)

C (5, 1)

D (-2, -3)

E (0, 0)

F (-5, 4)

G (-1, 5)

For the points above, place a check mark next to each one that is a solution.

3. Graph the inequality: $y < \frac{2}{3}x - 1$ according to the steps below...

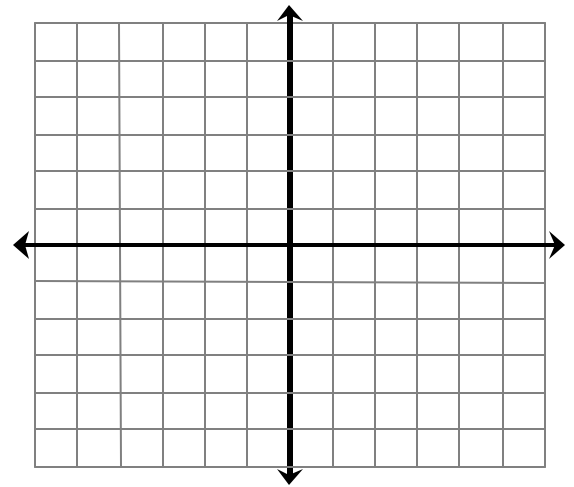
Step 1: find m and b b = _____ m = _____

Step 2: graph m & b on the coordinate plane

Step 3: dashed or solid line

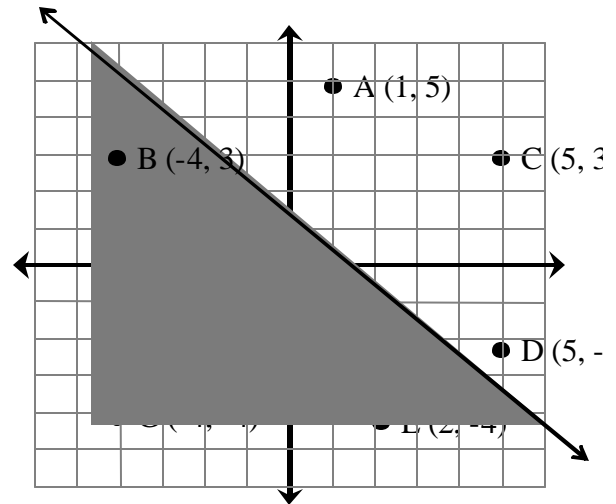
< & > are dashed = & = are solid

Step 4: Shade above or below



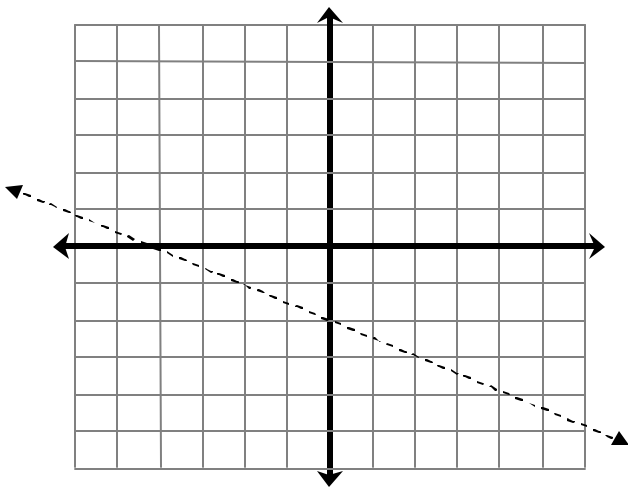
Look at the graph below of an inequality and points.

On the line below, write the points that are part of the solution of the inequality



4. Shade the correct region for each line below.

$$y > \frac{1}{2}x - 2$$



$$y \geq x + 43$$

