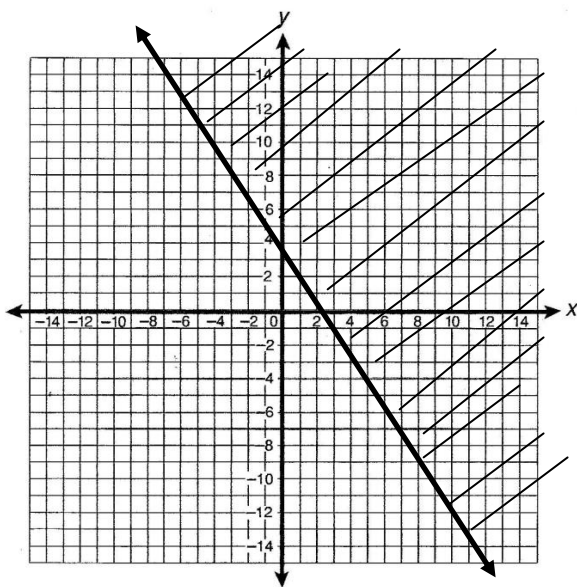


1. When would the boundary line of the graph of a linear inequality be dashed?

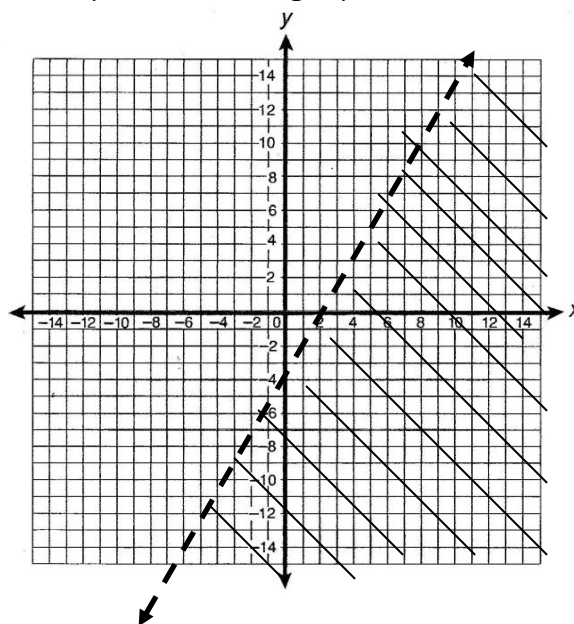
When would it be solid?

2. How do you know whether to shade above or below the line when graphing an inequality on the coordinate plane?

3. What is the inequality that represents the graph



4. What is the inequality that represents the graph.



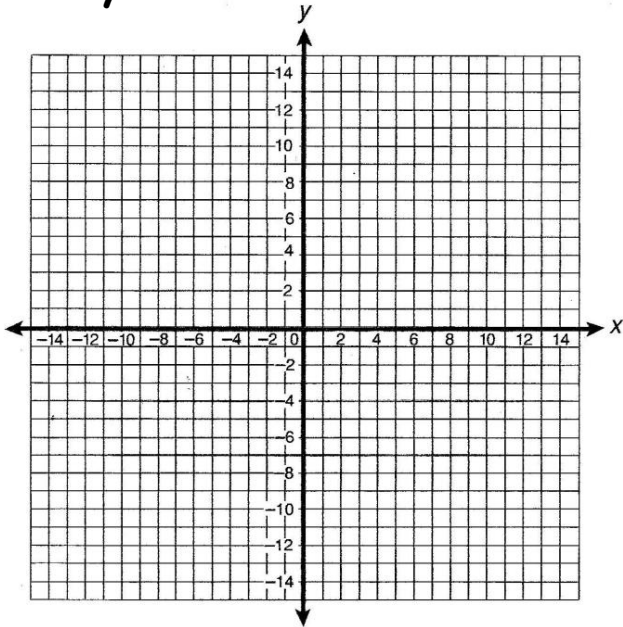
Sketch the graph of the inequality.

Say if each is

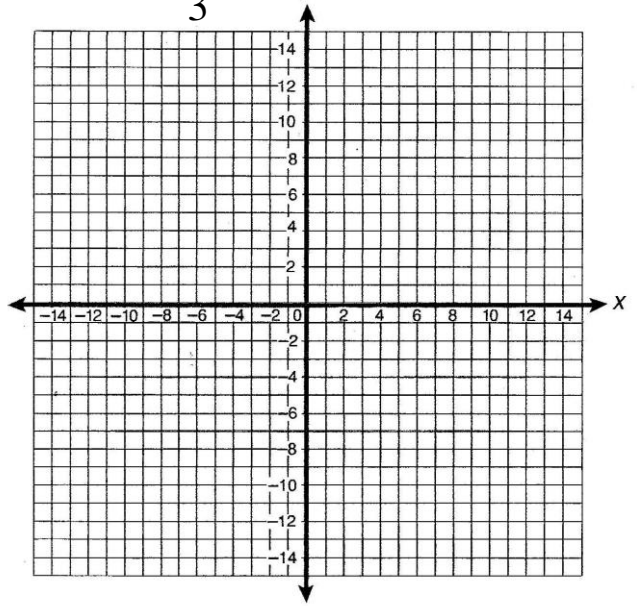
a. open or closed half plane

b. above or below the graph

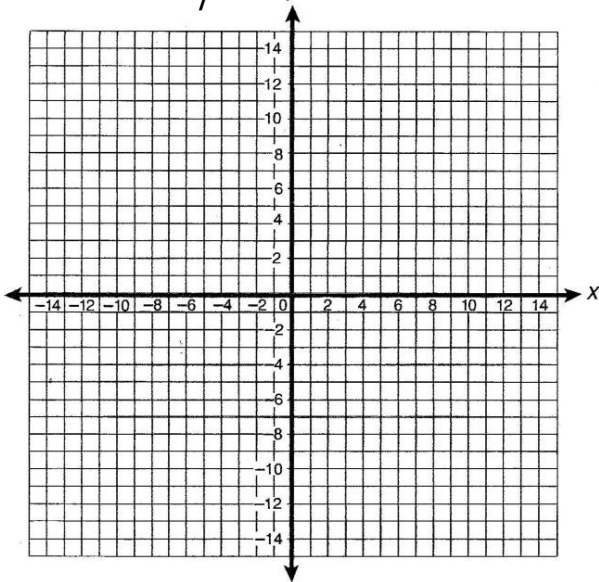
5.  $y < x - 3$



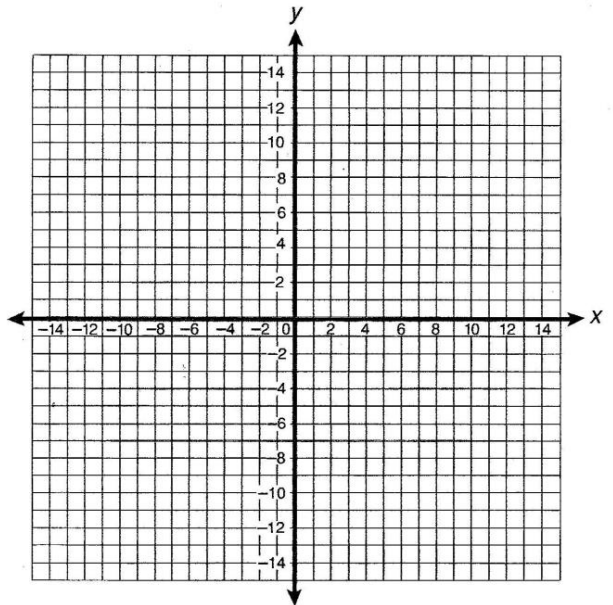
6.  $y \geq -\frac{5}{3}x + 6$



7.  $y \leq \frac{-2}{7}x - 2$



8.  $y > x - 1$



9. Which ordered pair is not a solution of the inequality  $3x - 2y < 12$  ?

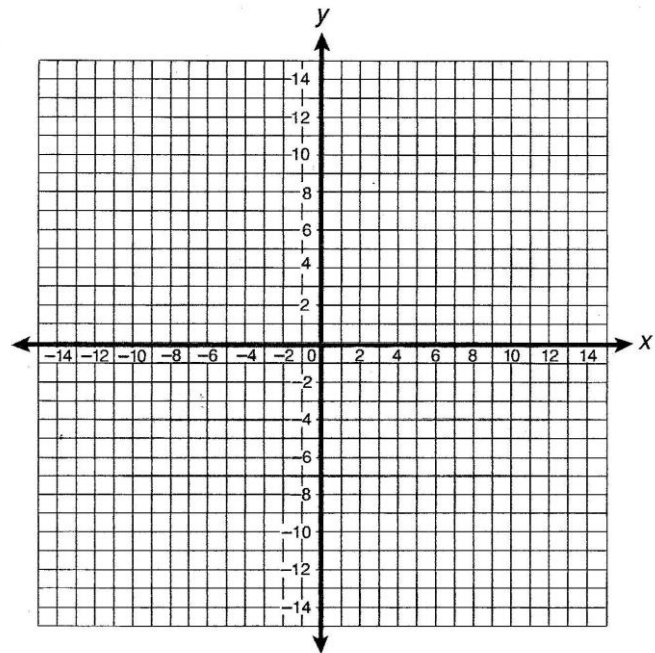
- a. (1, 3)      b. (8, 3)      c. (6, 4)      d. (-6, -4)

10. Which ordered pair is a solution of the inequality  $4x + 5y \leq 12$  ?

- a. (-2, -6)      b. (11, -1)      c. (5, 4)      d. (4, 5)

11. Carlos has at most \$20 to spend on a bouquet of flowers. Carnations cost \$1 each and roses \$2 each.

- a. Write and graph the inequality that shows the number of carnations and roses Carlos can buy.



- b. Give an example of a possible combination of flowers Carlos can buy within his budget.