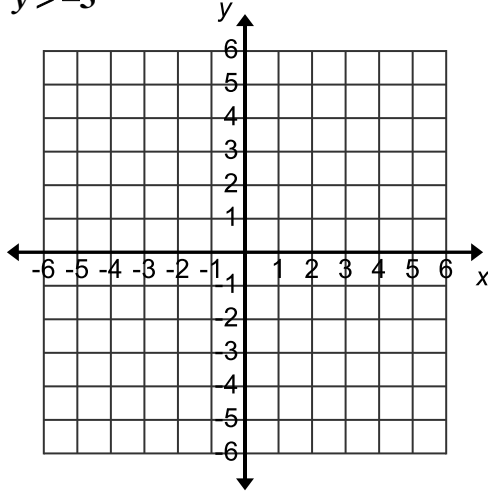


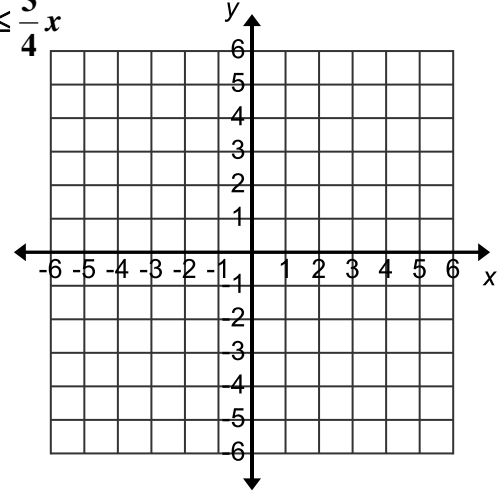
HW 2-5 Graphing Linear Inequalities

Sketch a graph of the linear inequalities.

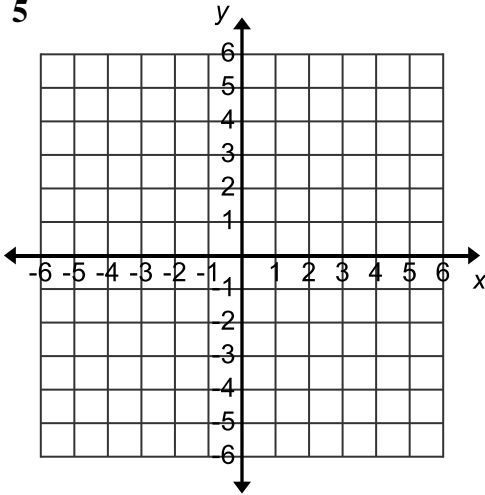
1. $y > -3$



2. $y \leq \frac{3}{4}x$



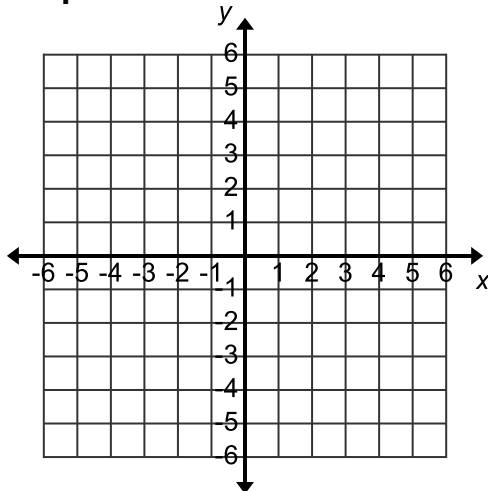
3. $y > \frac{3}{5}x - 2$



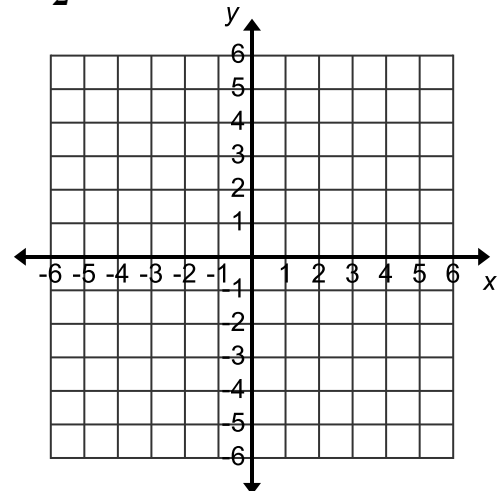
4. Using the graph from #3, which of the following points is a solution to the inequality:

- A. (3, -2)
- B. (0, -2)
- C. (-4, -5)
- D. (0, 0)

5. $y \geq \frac{7}{4}x + 2$

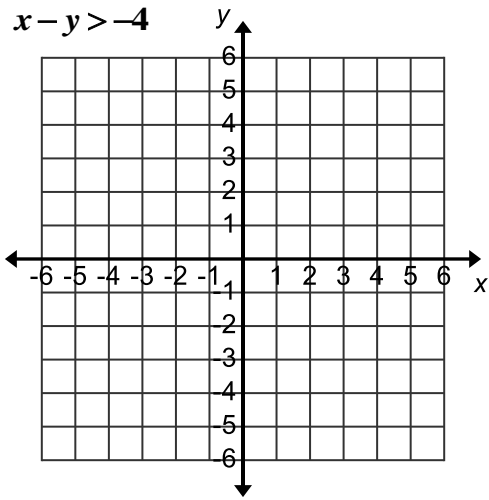


6. $y \geq -\frac{3}{2}x - 1$

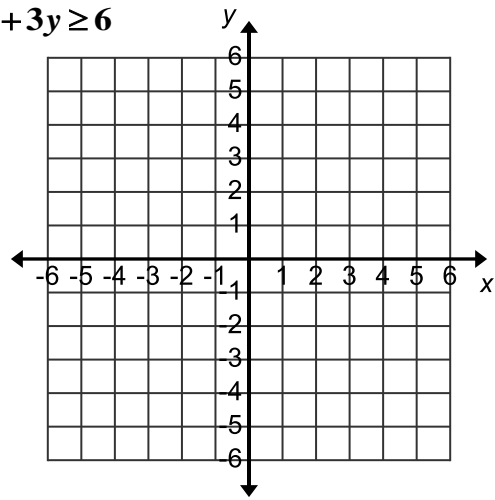


Sketch a graph of the linear inequalities.

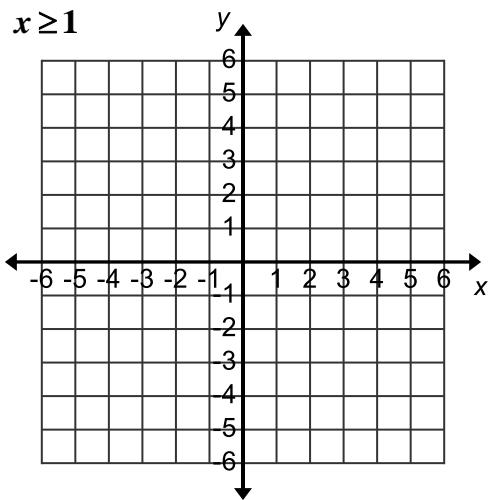
7. $x - y > -4$



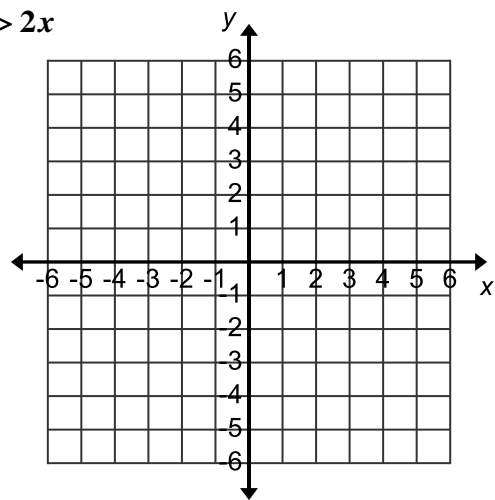
8. $x + 3y \geq 6$



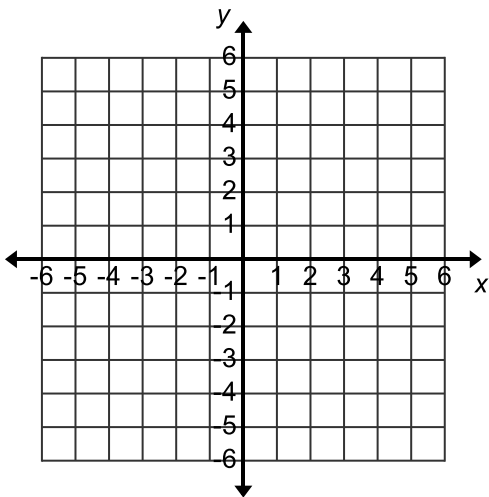
9. $x \geq 1$



10. $y > 2x$



11. $x + 3y \leq 0$

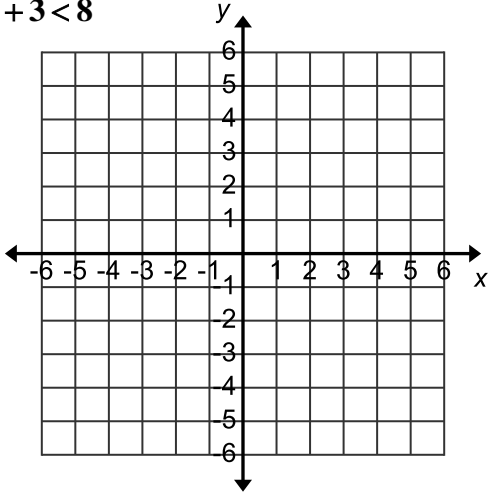


12. Using the graph from #11, which of the following points is NOT a solution to the inequality:

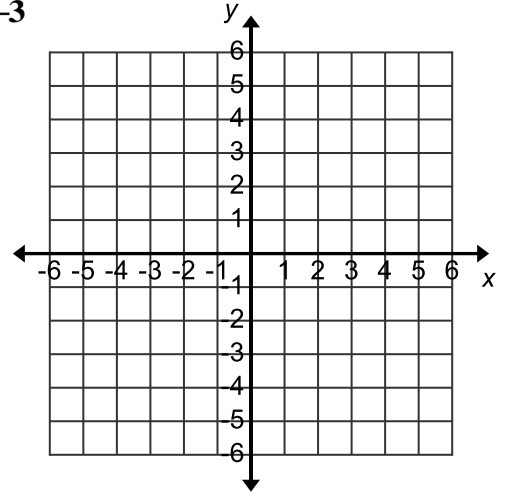
- A. (3, -2)
- B. (0, -2)
- C. (5, -1)
- D. (0, 0)

Sketch a graph of the linear inequalities.

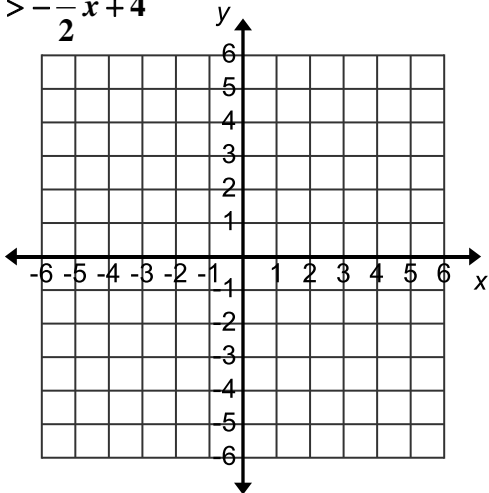
13. $y + 3 < 8$



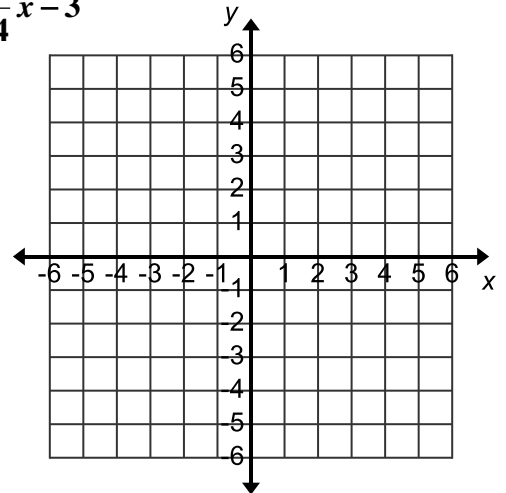
14. $x < -3$



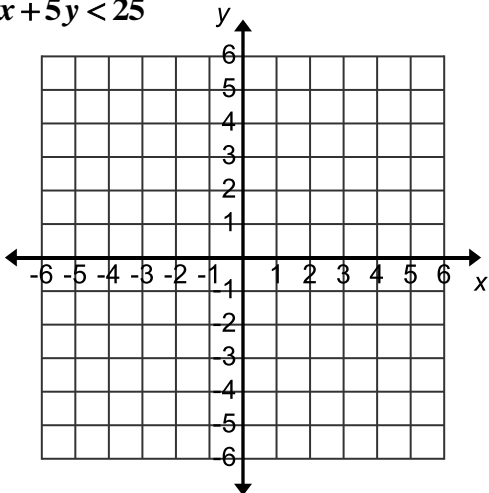
15. $y > -\frac{5}{2}x + 4$



16. $y \leq \frac{3}{4}x - 3$



17. $8x + 5y < 25$

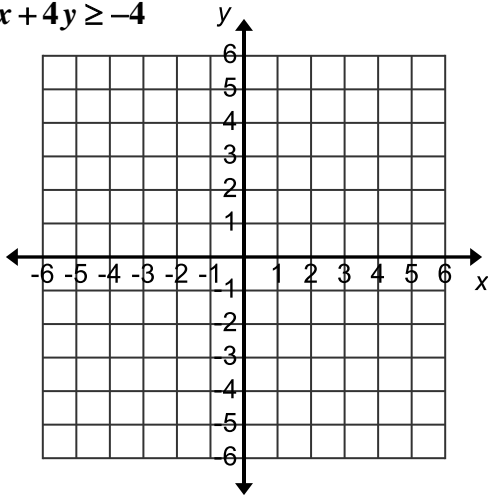


18. Using the graph from #17, which of the following points is a solution to the inequality:

- A. (2, 2)
- B. (3, -2)
- C. (-1, 10)
- D. (0, 5)

Sketch a graph of the linear inequalities.

19. $x + 4y \geq -4$



20. Using the graph from #19, which of the following points is NOT a solution to the inequality:

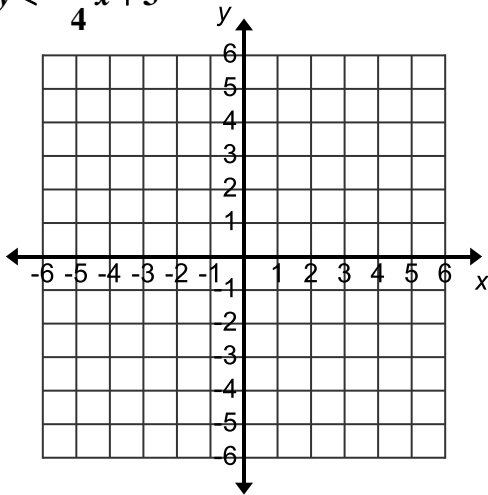
A. (0, -1)

B. (3, -2)

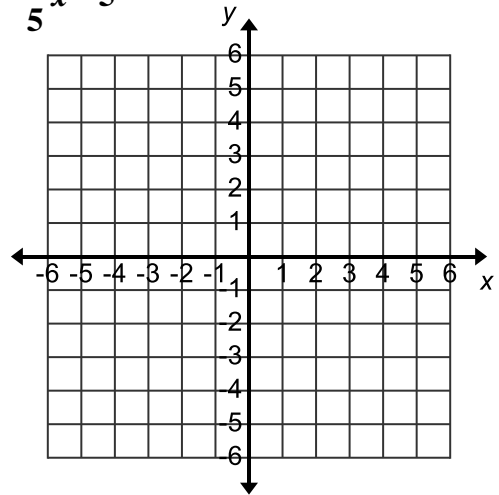
C. (-1, 10)

D. (-4, 0)

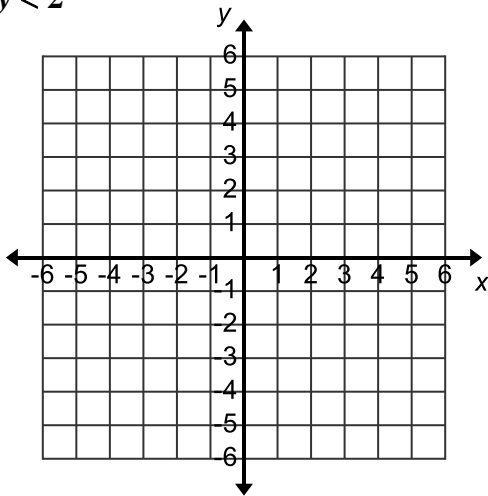
21. $y < -\frac{1}{4}x + 3$



22. $y > -\frac{1}{5}x - 5$



23. $y < 2$



24. $3x - 4y \leq -12$

