

Algebra 1: 7.1 HW - Part 1
Graphing Inequalities

Name _____ Period _____

Determine if the graph of each linear inequality has a dashed or solid line and if you shade above or below the line.

1. $y < 14x + 9$

2. $y > x + 8$

3. $y \leq 2x + 8$

4. $y \geq 6$

5. $-2y < 2x - 6$

6. $\frac{2}{3}x - \frac{4}{9}y \geq 3$

Determine whether the given point is a solution of the linear inequality.

7. $y > x - 1$; Point (0, 1)

8. $x < 2$; Point (1, 0)

9. $y \geq -\frac{2}{5}x + 4$; Point (0, 0)

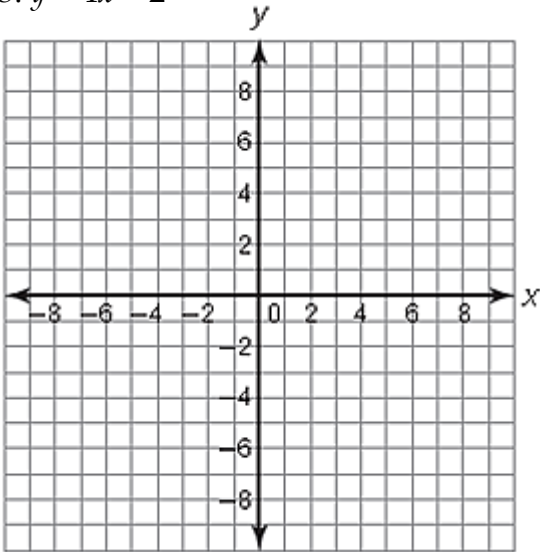
10. $y > \frac{5}{3}x - 4$; Point (0, 1)

11. $4x - 4y \leq 8$; Point (2, 0)

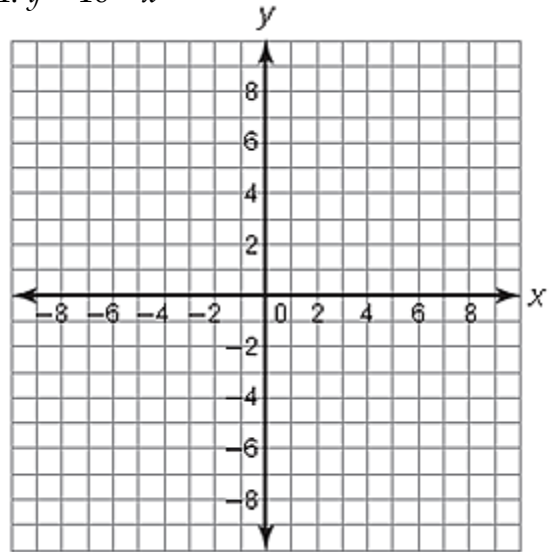
12. $2x + y < 6$; Point (0, 2)

Graph each linear inequality. Don't forget to shade above or below the line.

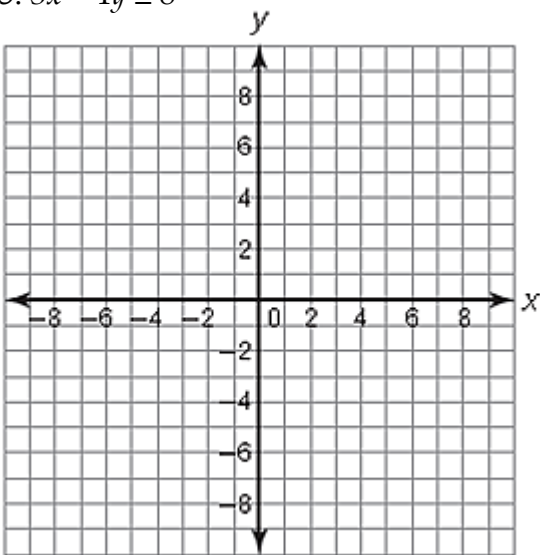
13. $y < 4x + 2$



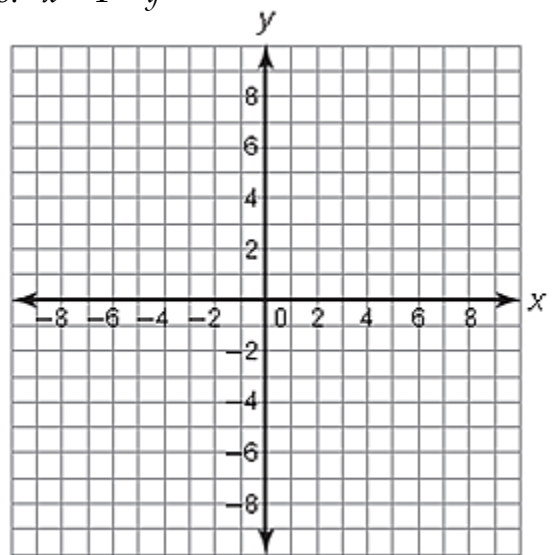
14. $y > 10 - x$



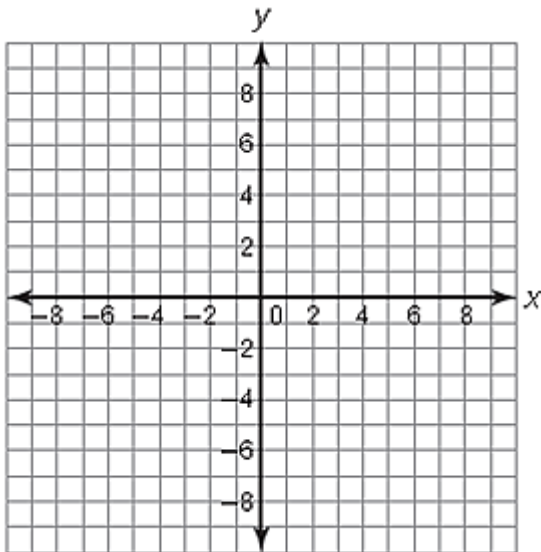
15. $3x - 4y \geq 8$



16. $-x + 1 > y$



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



18. $\frac{3}{8}y - \frac{1}{4}x < \frac{3}{4}$

