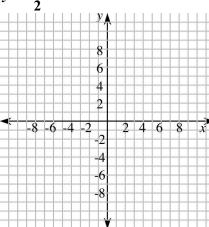
Convert each equation to y-Form if needed then graph and shade appropriately.

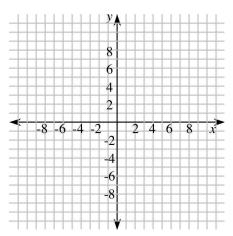
1)

$$y > \frac{1}{2}x - 3$$



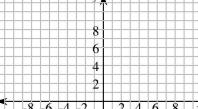
2)

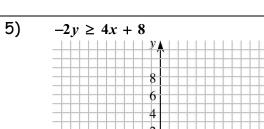
$$3y \le 3x + 6$$

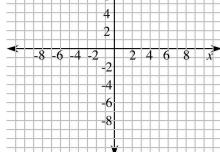


3)

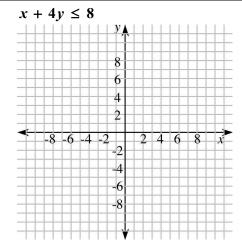
y > -5



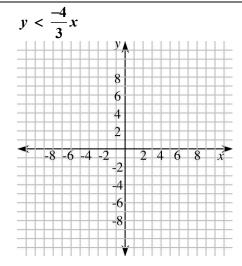




4)



6)

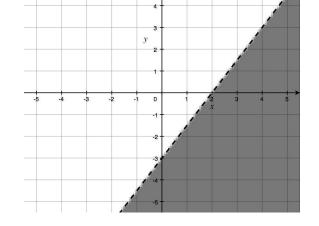


Inequalities—How many answers can you have?

1) Determine whether each point is in the shaded region shown in the graph to the right. (y or n)

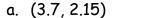


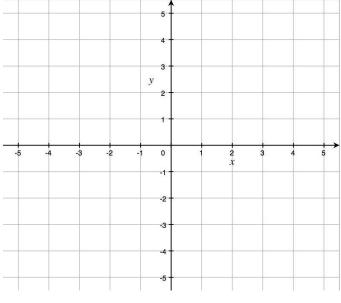




2) Given the inequality $4x + 3y \ge 12$: Determine algebraically if each point is a solution or not.

- 3) Graph the inequality from problem 2 on the coordinate plane to the right. Use the intercepts method to make the graph.
- 4) Use the graph to check if your answers to problem 2 are correct.
- 5) Use the graph to determine the following points are solutions to $4x + 2y \ge 12$:





c. (5.6, -3.99)

