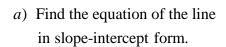
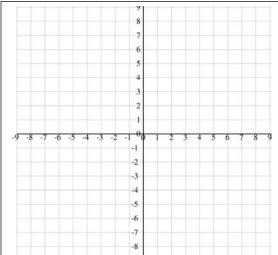
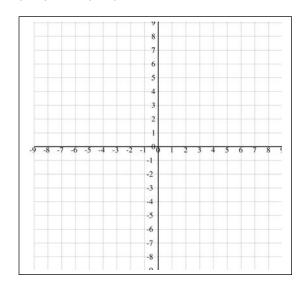
1. Given: a line has a slope of $\frac{2}{3}$ that passes through the point (-6,-2)

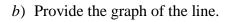




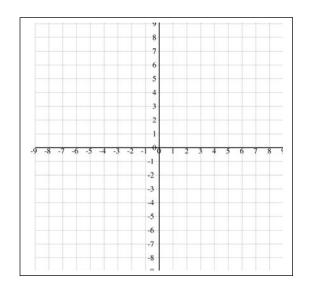
- b) Provide the graph of the line.
- c) Convert your answer in a) to standard form.
- 2. Given: a line that passes through the point (2,5) and (4,6).
- *a*) Find the equation of the line in slope-intercept form.



- *b*) Find the equation of the line in point-slope form.
- c) Provide the graph of the line.
- 3. *Given*: 2x-3y=12
- *a*) Find the x and y-intercepts.



c) Write it in slope-intercept form.



4. *Given*: -2x + 3y < 6

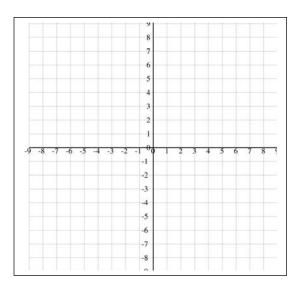
a) Is (3,5)a solution of the above inequality.

b) Is (4,4)a solution of the above inequality

c) Graph the inequality.

d) Is the point (3, 5) in the shaded region?

e) Is the point (4, 4) in the shaded region?



5. *Given*: $y \ge \frac{1}{2}x - 3$

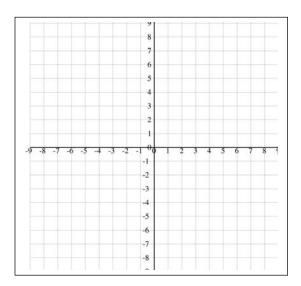
a) Is (2,5)a solution of the above inequality.

b) Is (4,-1) a solution of the above inequality

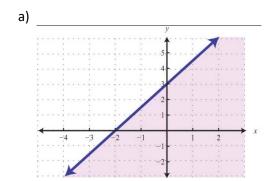
c) Graph the inequality.

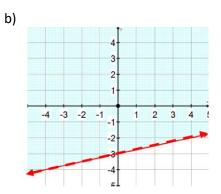
d) Is the point (2, 5) in the shaded region?

e) Is the point (4, -1) in the shaded region?



6. Write an inequality for each of the following:





c) Is the point (-4, -1) a solution of either graph?