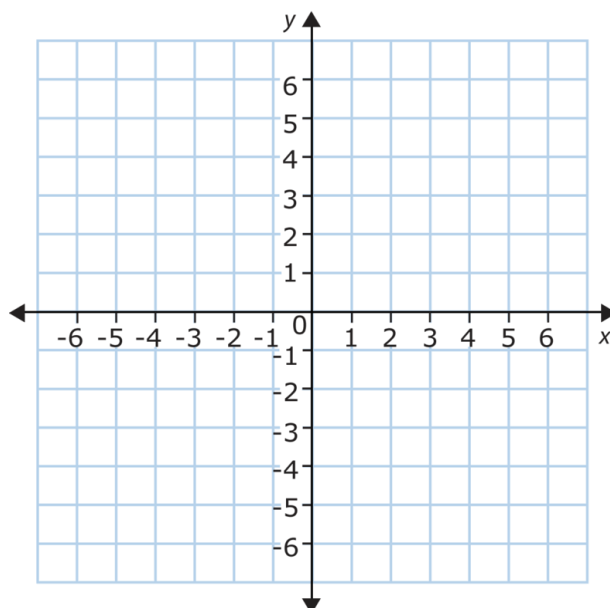


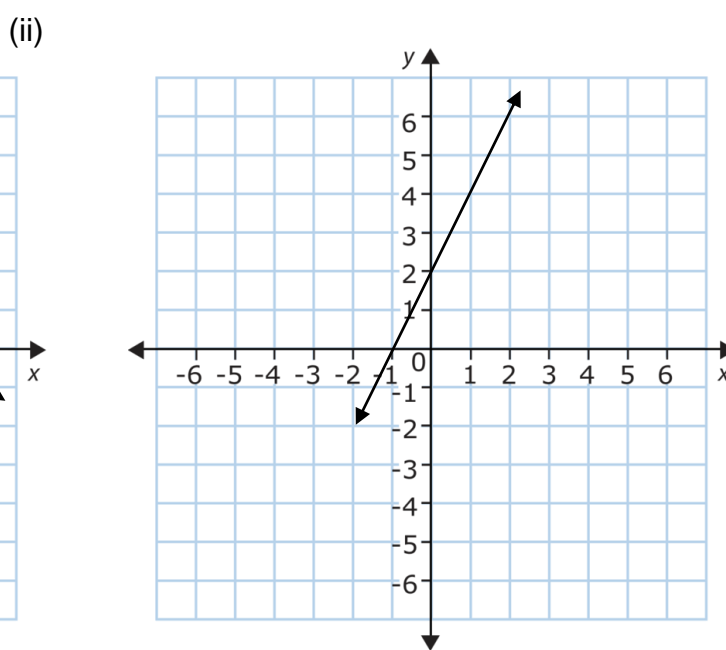
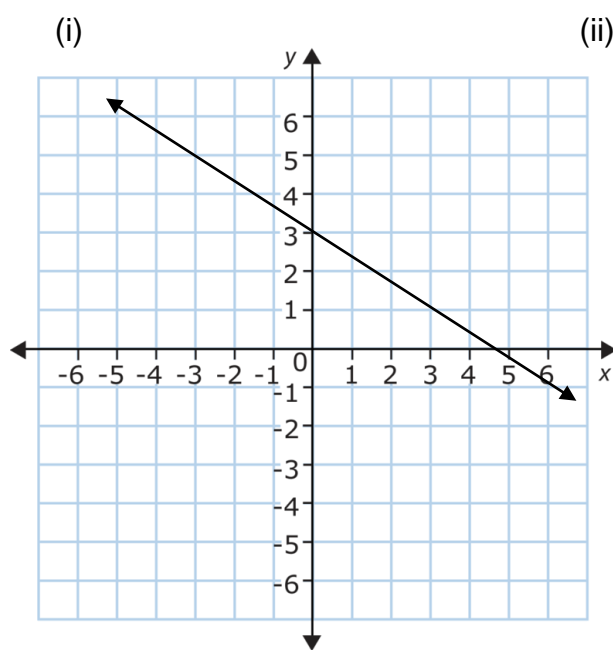
- What number is the slope of the line  $y - 1 = -2(x + 4)$  ?  
 A) -1                      B) -2                      C) 2                      D) 4
- What are the coordinates of one point on the line  $y - 1 = -2(x + 4)$  ?  
 A) (-4, -1)      B) (-4, -1)              C) (4, 1)              D) (-4, 1)

3. Refer to the line  $y + 3 = -\frac{3}{4}(x - 2)$  .

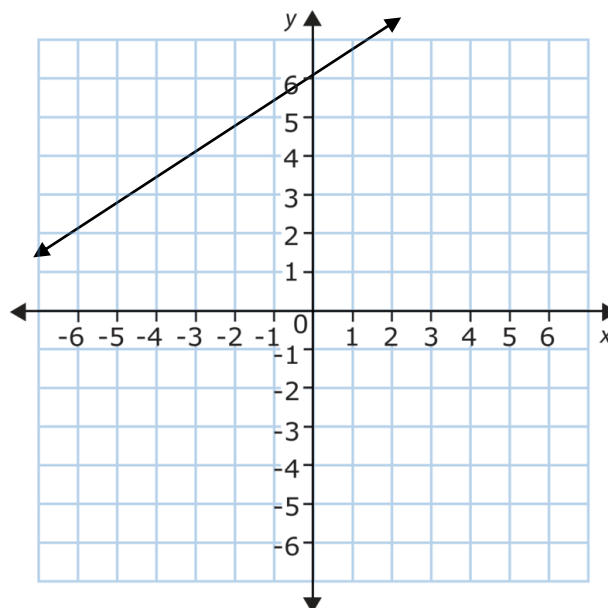
- What is the slope?
- What are the coordinates of the point?
- Graph the line.



4. Write the equation for each line in a) Slope-point form b) Slope-intercept form



5. The graph of  $y = \frac{2}{3}x + 6$  is given.  
 Write an equation for the line that passes through A(-4,1) and is perpendicular to the line  $y = \frac{2}{3}x + 6$  .



6. A line passes through P(-3, 4) and Q (3, -6). Write the equation of the line in slope-point form.

7. Write each equation in general form.

a)  $y = 2x - 1$

b)  $y = -\frac{1}{3}x + 4$

8. A line passes through F(-1, 8) and has slope -3. Write the equation of the line in

a) slope point form.

b) general form.

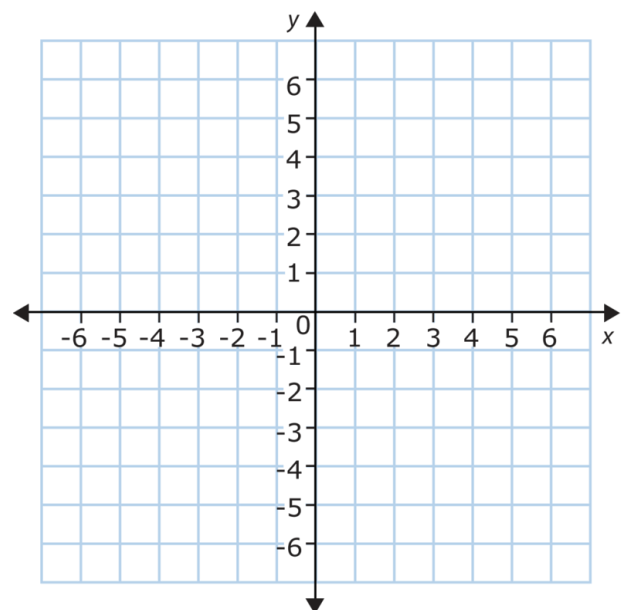
9. Refer to the equation of a line  $3x + 4y - 16 = 0$ .

a) Write the equation in slope-intercept form.

b) What is the slope of the line?

c) What is the y-intercept of the line?

d) Graph the line using the slope and y-intercept.



10. Refer to the equation of a line  $3x - 2y + 12 = 0$ .

a) Determine the x-intercept.

b) Determine the y-intercept.

c) Graph the line using the intercepts.

