

Find the slope and  $y$ -intercept of the graph of each equation.

1.  $y = 3x - 5$

2.  $y = -5x + 13$

3.  $y = -x - 1$

Write an equation of a line with the given slope  $m$  and  $y$ -intercept  $b$ .

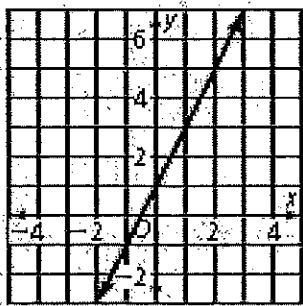
4.  $m = -1, b = 3$

5.  $m = 4, b = -2$

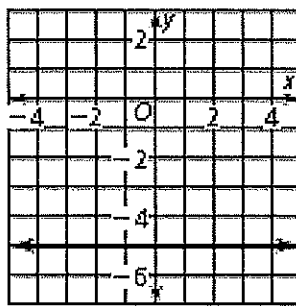
6.  $m = -5, b = -8$

Write an equation in slope-intercept form of each line.

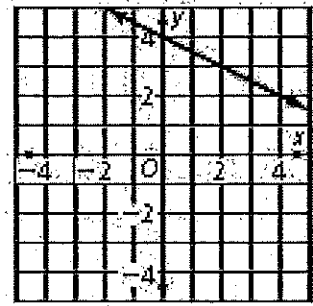
7.



8.



9.



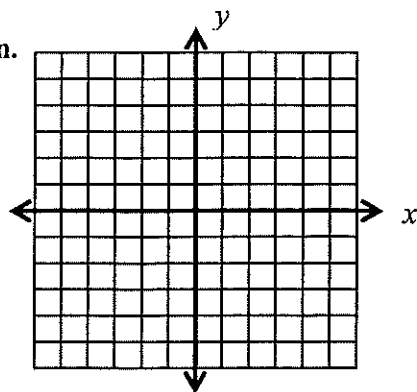
Write an equation in slope-intercept form of the line that passes through the given points.

10. (3, 5) and (0, 4)

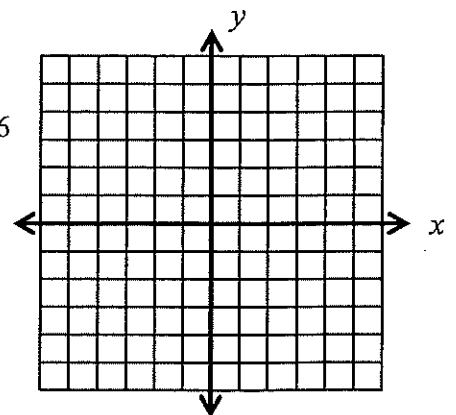
11. (2, 6) and (-4, -2)

Graph each equation.

12.  $y = x + 3$

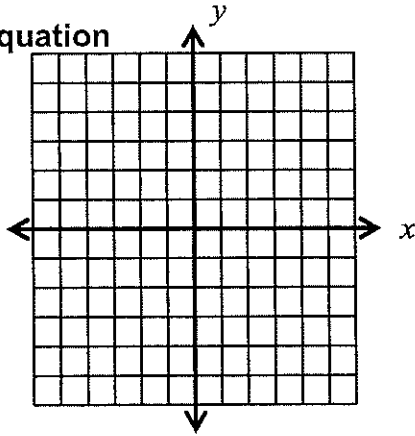


13.  $y = -x + 6$

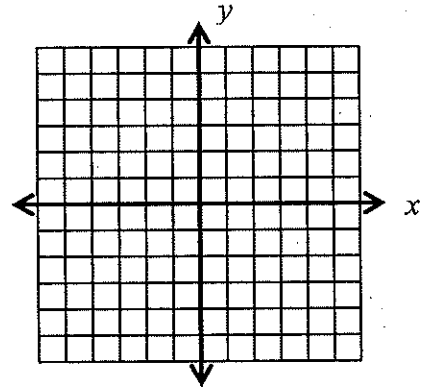


Graph each equation

14.  $y = 3x - 2$



15.  $y = -5x + 1$



16. When Phil started his new job, he owed the company \$65 for his uniforms. He is earning \$13 per hour. The cost of his uniforms is withheld from his earnings. Write an equation that models the total money he has  $m$  after  $h$  hours of work.

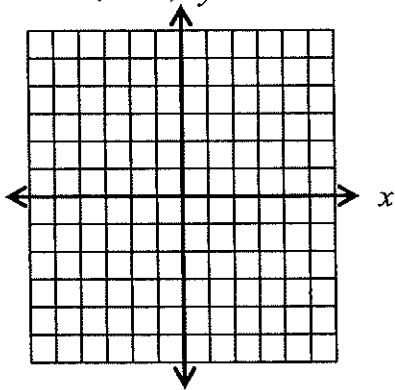
Write an equation of the line in slope-intercept form through the given point and with the given slope  $m$ .

17.  $(-4, 11); m = \frac{3}{4}$

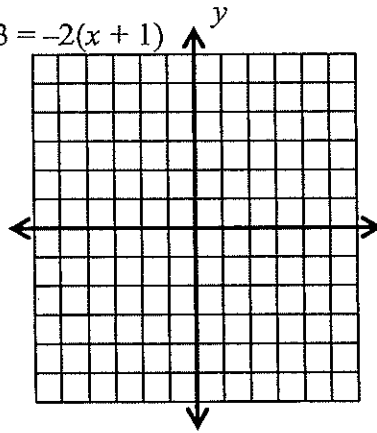
18.  $(-3, -5); m = -2$

Graph each equation.

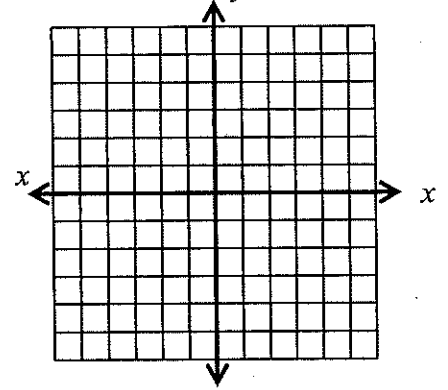
19.  $y - 2 = 2(x + 3)$



20.  $y + 3 = -2(x + 1)$

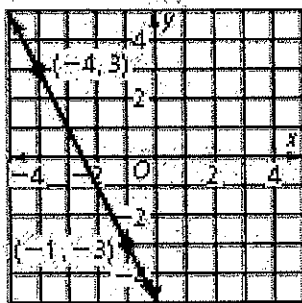


21.  $y + 1 = -\frac{3}{5}(x + 5)$

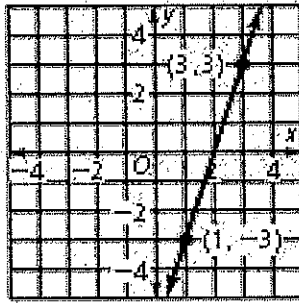


Write an equation in point-slope form for each line.

22.



23.



24.

