Unit 2.2 Practice Slope Intercept Form

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

1. y = 3x - 52. y = -5x + 133. y = -x - 1m = 3; b = -5m = -5; b = 13m = -1; b = -16. $y = \frac{1}{2}x + 6$ 4. y = -11x + 65. y = -5 $m = \frac{1}{2}; b = 6$ m = 0; b = -5m = -11; b = 68. $y = -\frac{2}{3}x - \frac{1}{9}$ 7. y = -6.75x + 8.549. y = 2.25 $m = -\frac{2}{3}; b = -\frac{1}{9}$ m = -6.75; b = 8.54m = 0; b = 2.25

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

10. m = -1, b = 311. m = 4, b = -212. m = -5, b = -8y = -x + 3y = 4x - 2y = -5x - 813. m = 0.25, b = 614. m = 0, b = -1115. $m = -1, b = \frac{3}{8}$ y = 0.25x + 6y = -11 $y = -x + \frac{3}{8}$

2

0

2

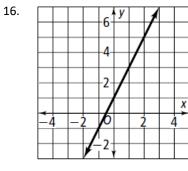
4

6

v = -5

Х

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

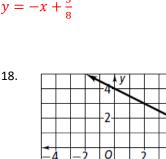


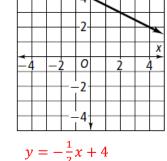
y = 2x + 1

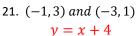
Write an equation of a line with the given points on the line.

19. (3,5) and (0,4)20. (2,6) and (-4,-2)21. (-1,-3) $y = \frac{1}{3}x + 4$ $y = \frac{4}{3}x + \frac{10}{3}$ 22. (-7,5) and (3,0)23. (10,2) and (-2,-2)24. (0) $y = -\frac{1}{2}x + \frac{3}{2}$ $y = \frac{1}{3}x - \frac{4}{3}$ 25. (3,2) and (-1,6)26. (-4,-3) and (3,4)27. (2)y = -x + 5y = x + 1

17.







24. (0, -1) and (5, 6)

<i>y</i> =	$\frac{7}{5}x - 1$
------------	--------------------

27. (2, 8) and (-3, 6)

 $y = \frac{2}{5}x + \frac{36}{5}$

Period:

Name: KEY

.....

Graph each equation.

