

5-3 Practice

Form G

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

1. $y = 3x - 5$

2. $y = -5x + 13$

3. $y = -x - 1$

4. $y = -6.75x + 8.54$

5. $y = -\frac{2}{3}x - \frac{1}{9}$

6. $y = 2.25$

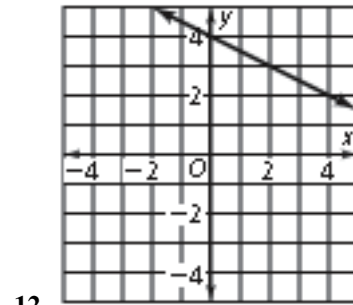
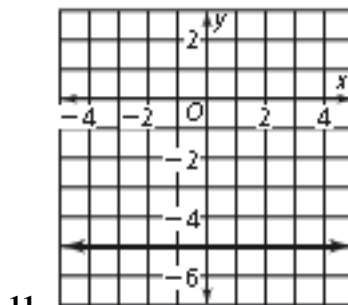
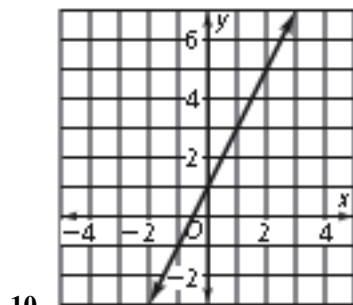
Write an equation of a line with the given slope m and y-intercept b .

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

8. $m = 0, b = -11$

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

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



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

13. $(3, 5)$ and $(0, 4)$

14. $(2, 6)$ and $(4, -2)$

15. $(-1, 3)$ and $(-3, 1)$

5-3 Practice (continued)

Form G

Graph each equation. USE GRAPH PAPER.

16. $y = x + 2$

17. $y = 3x - 1$

18. $y = -x + 5$

19. $y = 4x - 2$

20. $y = -5x + 3$

21. $y = -7x - 4$

22. Hudson is already 40 miles away from home on his drive back to college. He is driving 65 mi/h. Write an equation that models the total distance d travelled after h hours. What is the graph of the equation?

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

23. $y + 4 = -6x$

24. $y + \frac{1}{2}x = -4$

25. $3y - 12x + 6 = 0$