

5-3

Practice

Form G

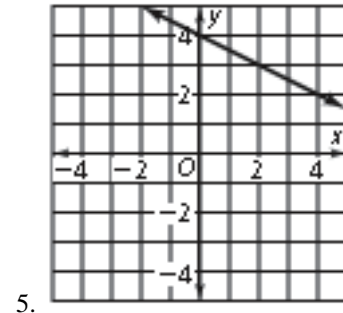
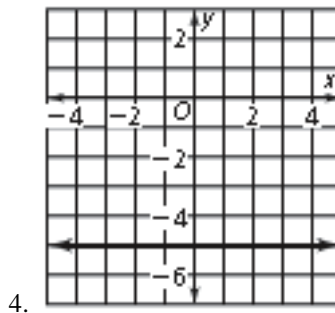
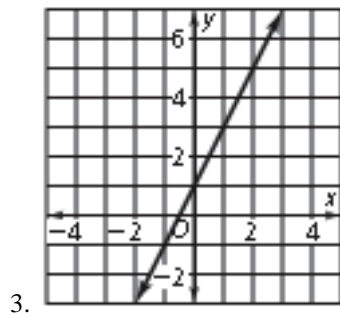
Slope-Intercept Form

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

1. $y = 3x - 5$

2. $y = -5$

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.

6. (3, 5) and (0, 4)

7. (2, 6) and (-4, -2)

8. (-1, 3) and (-3, 1)

9. (-7, 5) and (3, 0)

10. (10, 2) and (-2, -2)

11. (0, -1) and (5, 6)

Graph the equation.

12. $y = 4x - 1$

13. 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.

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

15. $3y - 12x + 6 = 0$

16. $y - 5 = \frac{1}{3}(x - 9)$

17. $y - \frac{2}{5}x = 0$