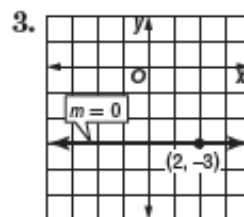
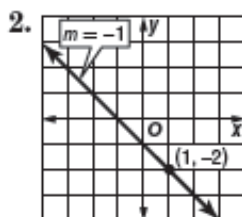
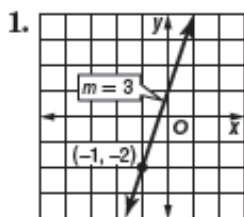


4-3 Skills Practice**Point-Slope Form**

Write an equation in point-slope form for the line that passes through the given point with the slope provided.



4. $(3, 1), m = 0$

5. $(-4, 6), m = 8$

6. $(1, -3), m = -4$

7. $(4, -6), m = 1$

8. $(3, 3), m = \frac{4}{3}$

9. $(-5, -1), m = -\frac{5}{4}$

Write each equation in standard form.

10. $y + 1 = x + 2$

11. $y + 9 = -3(x - 2)$

12. $y - 7 = 4(x + 4)$

13. $y - 4 = -(x - 1)$

14. $y - 6 = 4(x + 3)$

15. $y + 5 = -5(x - 3)$

16. $y - 10 = -2(x - 3)$

17. $y - 2 = -\frac{1}{2}(x - 4)$

18. $y + 11 = \frac{1}{3}(x + 3)$

Write each equation in slope-intercept form.

19. $y - 4 = 3(x - 2)$

20. $y + 2 = -(x + 4)$

21. $y - 6 = -2(x + 2)$

22. $y + 1 = -5(x - 3)$

23. $y - 3 = 6(x - 1)$

24. $y - 8 = 3(x + 5)$

25. $y - 2 = \frac{1}{2}(x + 6)$

26. $y + 1 = -\frac{1}{3}(x + 9)$

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

4-3 Practice**Point-Slope Form**

Write an equation in point-slope form for the line that passes through the given point with the slope provided.

1. $(2, 2), m = -3$

2. $(1, -6), m = -1$

3. $(-3, -4), m = 0$

4. $(1, 3), m = -\frac{3}{4}$

5. $(-8, 5), m = -\frac{2}{5}$

6. $(3, -3), m = \frac{1}{3}$

Write each equation in standard form.

7. $y - 11 = 3(x - 2)$

8. $y - 10 = -(x - 2)$

9. $y + 7 = 2(x + 5)$

10. $y - 5 = \frac{3}{2}(x + 4)$

11. $y + 2 = -\frac{3}{4}(x + 1)$

12. $y - 6 = \frac{4}{3}(x - 3)$

13. $y + 4 = 1.5(x + 2)$

14. $y - 3 = -2.4(x - 5)$

15. $y - 4 = 2.5(x + 3)$

Write each equation in slope-intercept form.

16. $y + 2 = 4(x + 2)$

17. $y + 1 = -7(x + 1)$

18. $y - 3 = -5(x + 12)$

19. $y - 5 = \frac{3}{2}(x + 4)$

20. $y - \frac{1}{4} = -3\left(x + \frac{1}{4}\right)$

21. $y - \frac{2}{3} = -2\left(x - \frac{1}{4}\right)$

22. CONSTRUCTION A construction company charges \$15 per hour for debris removal, plus a one-time fee for the use of a trash dumpster. The total fee for 9 hours of service is \$195.

- Write the point-slope form of an equation to find the total fee y for any number of hours x .
- Write the equation in slope-intercept form.
- What is the fee for the use of a trash dumpster?

23. MOVING There is a set daily fee for renting a moving truck, plus a charge of \$0.50 per mile driven. It costs \$64 to rent the truck on a day when it is driven 48 miles.

- Write the point-slope form of an equation to find the total charge y for any number of miles x for a one-day rental.
- Write the equation in slope-intercept form.
- What is the daily fee?