GUIDED PRACTICE

1. Vocabulary Explain why the order in an *ordered pair* is important.

SEE EXAMPLE 1
p. 54

Graph each point.

2. $J(4, 5)$ **3.** $K(-3, 2)$ **4.** $L(6, 0)$ **5.** $M(1, -7)$

SEE EXAMPLE 2
p. 54

Name the quadrant in which each point lies.

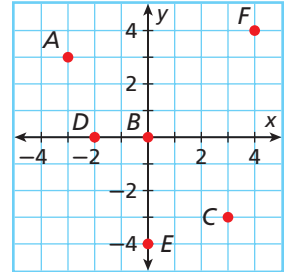**6.** A **7.** B **8.** C

9. D **10.** E **11.** F

SEE EXAMPLE 3
p. 55

12. Multi-Step The number of counselors at a summer camp must be equal to $\frac{1}{4}$ the number of campers. Write a rule for the number of counselors that must be at the camp. Write ordered pairs for the number of counselors when there are 76, 100, 120, and 168 campers.

SEE EXAMPLE 4
p. 55

Generate ordered pairs for each function for $x = -2, -1, 0, 1,$ and 2. Graph the ordered pairs and describe the pattern.

13. $y = x + 2$ **14.** $y = -x$ **15.** $y = -2|x|$ **16.** $y = \frac{1}{2}x^2$

PRACTICE AND PROBLEM SOLVING

Independent Practice

For Exercises	See Example
17–20	1
21–26	2
27	3
28–31	4

Extra Practice
Skills Practice p. S5
Application Practice p. S28

Graph each point.

17. $D(2, 8)$ **18.** $E(-2, -7)$ **19.** $F(0, -5)$ **20.** $G(4, -4)$

Name the quadrant in which each point lies.

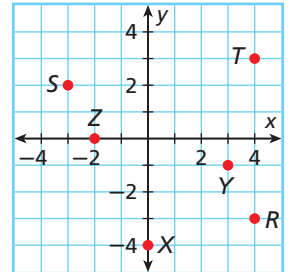**21.** X **22.** Y **23.** Z

24. R **25.** S **26.** T

27. Multi-Step Jeremy's wages include a $500 base salary plus $\frac{1}{10}$ of his sales. Write a rule for the total amount of Jeremy's paycheck. Write ordered pairs for the amount of Jeremy's paycheck when his sales are $500, $3000, $5000, and $7500.

Generate ordered pairs for each function for $x = -2, -1, 0, 1,$ and 2. Graph the ordered pairs and describe the pattern.

28. $y = 6 - 2x$ **29.** $y = -(x^2)$ **30.** $y = 3|x|$ **31.** $y = x^2 + 3$

Geometry Graph each point and connect them in the order they are listed. Connect the last point to the first. Describe the figure drawn.

32. $(-1, 1), (4, 1), (4, -4), (-1, -4)$ **33.** $(-6, 3), (2, -2), (-7, -3)$

34. $(4, 4), (6, 2), (5, -1), (3, -1), (2, 2)$ **35.** $(-6, 5), (4, 5), (4, 7), (-6, 7)$

36. Multi-Step The salary at Beth's company is $32,000 for someone with no experience and increases by $2700 per year of experience. Write a rule for the salary at Beth's company. Write ordered pairs for the salaries for employees with 0, 2, 5, and 7 years of experience.