Name _____ Date _____

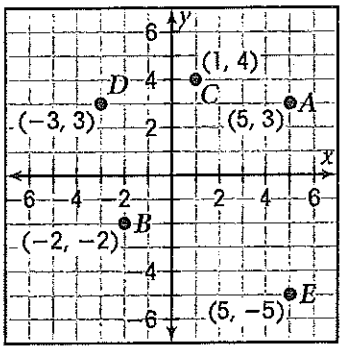
CHAPTER 4

Practice

32

Lessons 4.1 to 4.3

Give the location of each point.



1. A (5, 3) _____ units _____ and _____ units _____.

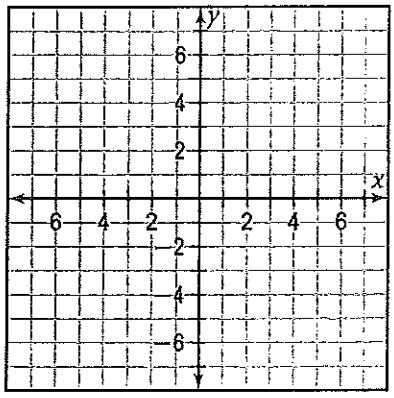
2. B (−2, −2) _____ units _____ and _____ units _____.

3. C (1, 4) _____ units _____ and _____ units _____.

4. D (−3, 3) _____ units _____ and _____ units _____.

5. E (5, −5) _____ units _____ and _____ units _____.

Graph and label each point on the same pair of axes.



6. F at (2, 5)

7. G at (6, 6)

8. H at (−5, 3)

9. I at (−1, −6)

10. J at (−4, −4)

11. K at (0, −2)

12. L at (5, 0)

13. M at (2, −2)

14. N at (−3, 4)

Name _____ Date _____

CHAPTER 4

Practice

33

Lesson 4.4

Find three ordered pairs for each equation.

1. $y = 3x + 2$

2. $y = 12 - x$

3. $y = x - 3$

Complete each table.

4.

x	$2x + 3$	y
-1	$2(-1) + 3$	
0		
1		
2		
3		

5.

x	$x^2 - 2$	y
-2	$(-2)^2 - 2$	
-1		
0		
1		
2		

6.

x	$9 - x$	y
-3	$9 - (-3)$	
-2		
-1		
0		
1		

7.

x	$3(x - 1)$	y
-1	$3(-1 - 1)$	
0		
1		
2		
3		

8.

x	$4 + 5x$	y
-2	$4 + 5(-2)$	
-1		
0		
1		
2		

9.

x	$-4x$	y
-2	$-4(-2)$	
-1		
0		
1		
2		

Name _____ Date _____

CHAPTER 4

Practice

34

Lessons 4.5 and 4.6

Tell without graphing whether each group of ordered pairs is a function.

1. (7, 2), (8, 4), (9, 1), (9, 2)

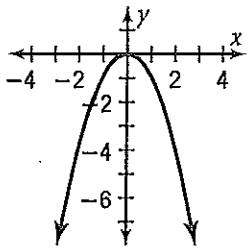
2. (4, 10), (−6, 8), (12, 1), (−8, 6)

3. (7, 10), (−1, 6), (−5, 6), (6, 5)

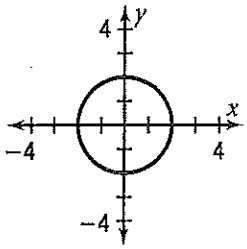
4. (2, 3), (4, 1), (2, 0), (0, 2)

Tell by using the vertical line test whether each graph is a function. Write *yes* or *no*.

5.



6.



Write each function using function notation.

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

8. $y = -x - 2$

9. $y = \frac{x}{3} + 4$

Find the value of each function.

10. Find $f(3)$ when $f(x) = 2x + 4$.

11. Find $f(4)$ when $f(x) = x^2 + 2x$.

12. Find $f(0)$ when $f(x) = -3x + 5$.

13. Find $f(10)$ when $f(x) = \frac{1}{2}x - 4$.

14. Find $f(-3)$ when $f(x) = 8 + x$.

15. Find $f(-2)$ when $f(x) = 6(x - 4)$.

Name _____ Date _____

CHAPTER 4

Calculator: Finding Ordered Pairs

35

Lesson 4.7

Complete each table. Use your calculator.

1. $y = 36 - x$

x	$36 - x$	y
1	36 − 1	
2		
3		
4		
5		

2. $y = \frac{x}{3} + 21$

x	$\frac{x}{3} + 21$	y
3	$\frac{3}{3} + 21$	
6		
9		
12		
15		

3. $y = .18x$

x	$.18x$	y
0	.18(0)	
1		
2		
3		
4		

4. $y = .2x + 1$

x	$.2x + 1$	y
0	.2(0) + 1	
1		
2		
3		
4		

5. $y = 12(x + 8)$

x	$12(x + 8)$	y
2	12(2 + 8)	
4		
6		
8		
10		

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

x	$3(x - .1)$	y
1	3(1 − .1)	
2		
3		
4		
5		