

Practice B

For use with pages 67-74

Graph the relation. Then tell whether the relation is a function.

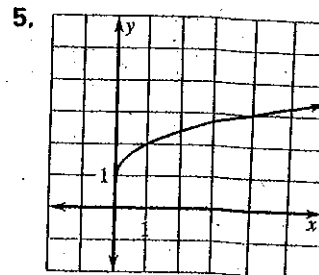
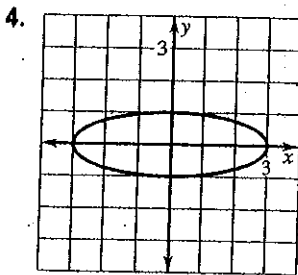
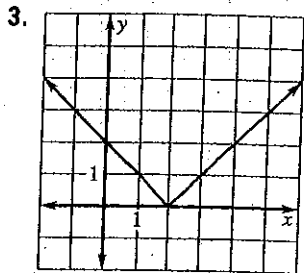
1.

x	-2	-1	0	1	2
y	0	5	6	0	3

2.

x	-2	-1	0	1	2	-2
y	4	-1	3	2	1	-8

Use the vertical line test to determine whether the relation is a function.



Lesson 2.1

Graph the function.



9. $y = -x + 2$

12. $y = 2x + 3$

7. $y = 3x - 7$

10. $y = \frac{1}{2}x + 3$

13. $y = 2$

8. $y = -2x$

11. $y = -3x - 5$

14. $y = -\frac{1}{3}x + 1$

Decide whether the function is linear. Then find the indicated value of $f(x)$.

15. $f(x) = x + 7$; $f(-3)$

16. $f(x) = x^3 - x + 2$; $f(1)$

17. $f(x) = 4 - 3x$; $f(2)$

18. $f(x) = |3x + 1|$; $f(-5)$

19. $f(x) = \frac{3}{x + 2}$; $f(4)$

20. $f(x) = \frac{3}{4}x - 1$; $f(8)$

