

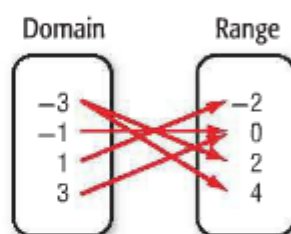
- 15. CELL PHONES** The ABC Cell Phone Company offers a plan that includes a flat fee of \$29 per month plus a \$0.12 charge per minute. Write an equation to find C , the total monthly cost for m minutes. Then solve the equation for $m = 50$.

Express the relation shown in each table, mapping, or graph as a set of ordered pairs.

16.

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

17.



- 18. MULTIPLE CHOICE** Determine the domain and range for the relation $\{(2, 5), (-1, 3), (0, -1), (3, 3), (-4, -2)\}$.

F D: $\{2, -1, 0, 3, -4\}$, R: $\{5, 3, -1, 3, -2\}$

G D: $\{5, 3, -1, 3, -2\}$, R: $\{2, -1, 0, 3, 4\}$

H D: $\{0, 1, 2, 3, 4\}$, R: $\{-4, -3, -2, -1, 0\}$

J D: $\{2, -1, 0, 3, -4\}$, R: $\{2, -1, 0, 3, 4\}$

- 19.** Determine whether the relation $\{(2, 3), (-1, 3), (0, 4), (3, 2), (-2, 3)\}$ is a function.

If $f(x) = 5 - 2x$ and $g(x) = x^2 + 7x$, find each value.

20. $g(3)$

21. $f(-6y)$

Determine whether each relation is a function.

27. $\{(5, -7), (6, -7), (-8, -1), (0, -1)\}$

28. $\{(4, 5), (3, -2), (-2, 5), (4, 7)\}$

29. $y = -8$

30. $x = 15$

31. $y = 3x - 2$

32. $y = 3x + 2y$

If $f(x) = -2x - 3$ and $g(x) = x^2 + 5x$, find each value.

33. $f(-1)$

34. $f(6)$

35. $g(2)$

36. $g(-3)$

37. $g(-2) + 2$

38. $f(0) - 7$

39. $f(4y)$

40. $g(-6m)$

41. $f(c - 5)$

42. $f(r + 2)$

43. $5[f(d)]$

44. $3[g(n)]$