

## Algebra 1 1.7

Determine whether a relation is a function.

Find function values

relation

function

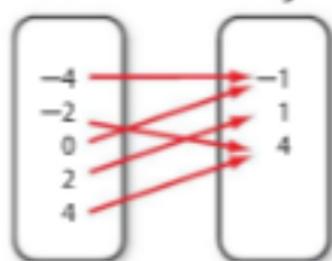
discrete

continuous

vertical line test

| Determine whether each relation is a function. Explain.

1. Domain



2.

Domain	Range
2	6
5	7
6	9
6	10

5 If  $f(x) = 6x + 7$  and  $g(x) = x^2 - 4$ , find each value.

11.  $f(-3)$

14.  $g(5)$

17.  $f(q + 1)$

12.  $f(m)$

15.  $g(a) + 9$

18.  $f(2) + g(2)$

13.  $f(r - 2)$

16.  $g(-4t)$

19.  $g(-b)$

$$6(2)+7 + (2)(2)-4 \\ 12 + 4 \\ 16$$

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| 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.  $f(0) - 7$