

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.



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. $f(-3)$

12. $f(m)$

13. $(r-2)$

14. $g(5)$

15. $g(a) + 9$

16. $g(-4t)$

17. $f(q+1)$

18. $f(2) + g(2)$
↑ ↑

19. $g(-b)$

$$\begin{array}{ccc} 6(2)+7 & + & (2)(2)-4 \\ 19 & + & 0 \end{array}$$

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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. $f(0) - 7$