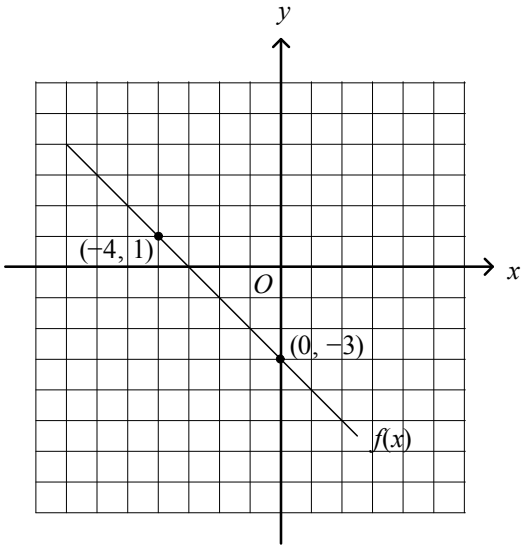
Name: _____ **Date:** _____

Math Quiz: Function Review

Questions 1 to 5 refer to the function *f* as defined in the following graph:



_____ **1.** What is the value of $f(1)$?

A) −4
B) −3
C) −1
D) 3

_____ **2.** What is the value of $f(-6)$?

A) −3
B) −2
C) 2
D) 3

_____ **3.** If $f(a) = -3$, what is the value of a?

A) −2
B) 0
C) 2
D) 4

_____ **4.** If $f(b) = 2$, what is the value of b?

A) −7
B) −6
C) −5
D) −4

_____ **5.** Which of the following could be the equation of $f(x)$?

A) $f(x) = x - 3$
B) $f(x) = -x$
C) $f(x) = -x - 3$
D) $f(x) = -3x + 3$

Questions 6 to 10 refer to the following functions:

Let $g(x) = 6x - 8$
Let $h(x) = x^2 - x$

_____ **6.** $g(11) =$

A) −2
B) 3
C) 52
D) 58

_____ **7.** $h(7) =$

A) 12
B) 20
C) 34
D) 42

_____ **8.** $h(-5) =$

A) 0
B) 10
C) 20
D) 30

_____ **9.** If $g(c) = 34$, what is the value of c?

A) 6
B) 7
C) 8
D) 9

_____ **10.** If $g(2) = k$, what is the value of $h(k)$?

A) −12
B) −6
C) 6
D) 12