

Name _____

Date _____

5) $f(x) = -4x + 5$, $f(x) = -18.6$

Evaluate the function at the given value of x.

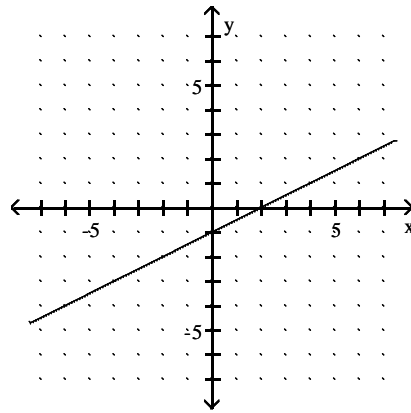
1) $f(x) = 3x + 5$, $g(a - 1)$

2) $f(x) = 4x - 2$, $g(a - 1)$

For the given function, find the value of x that corresponds to the given value of f(x).

3) $f(x) = 3x + 1$, $f(x) = -14.9$

4) $f(x) = -2x + 3$, $f(x) = 14$

A graph of the function f is sketched in the figure below. Use the graph to find the indicated values.

6) Find $f(2)$

7) Find x when $f(x) = 0$

Find the x-intercept and y-intercept of the function.

8) $f(x) = 2x - 6$

12) $f(x) = -4x$

9) $f(x) = 3x - 9$

13) $f(x) = -3$

10) $f(x) = 2x$

14) $f(x) = 6x$

11) $f(x) = 1$

15) $f(x) = 2x + 6$

Answer Key

Testname: 02-2LEHMANNFUNCTIONINTERCEPTSV01

- 1) $3a + 2$
- 2) $4a - 6$
- 3) -5.3
- 4) -5.5
- 5) 5.9
- 6) 0
- 7) 2
- 8) x-intercept: $(3, 0)$
y-intercept: $(0, -6)$
- 9) x-intercept: $(3, 0)$
y-intercept: $(0, -9)$
- 10) x-intercept: $(0, 0)$
y-intercept: $(0, 0)$
- 11) x-intercept: none
y-intercept: $(0, 1)$
- 12) x-intercept: $(0, 0)$
y-intercept: $(0, 0)$
- 13) x-intercept: none
y-intercept: $(0, -3)$
- 14) x-intercept: $(0, 0)$
y-intercept: $(0, 0)$
- 15) x-intercept: $(-3, 0)$
y-intercept: $(0, 6)$