

Homework on Interpreting functions

If $f(x) = 2x - 3$, find the following:

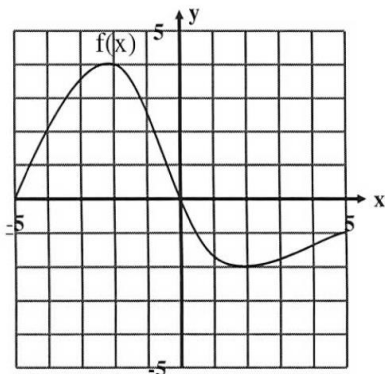
1. a. $f(-2)$ b. $f(7)$

If $f(x) = 5x - 3$, fill out the following table of values:

2.

x	-2	-1	0	1	2	3
f(x)						

3. Given this graph of the function $f(x)$:



Find:

- a. $f(-4) =$ b. $f(0) =$ c. $f(3)$

Use for #'s 4 and 5

The function $h(a)$ represents the average height of boys that are a years old.

Boy's Age	Average Height in Inches
6 months	26
12 months	30
18 months	34
2 years	36
3 years	39
4 years	42
5 years	44
6 years	47
7 years	49
8 years	51
9 years	53
10 years	55
11 years	57
12 years	59
13 years	61

4 Use the table to evaluate the function at each value. Explain what each means in terms of the problem.

a. $h(7)$

b. $h(1.5)$

c. $h(11)$

5 Calculate the value of a that makes each equation true. Explain what each means in terms of the problem.

a. $h(a) = 61$

b. $h(a) = 36$

c. $h(a) = 53$

d. $h(a) = 45$

6. a. Let $f(x) = 2x - 3$. If $f(x) = 15$, find x .

b. Let $g(x) = 3x + 2$. If $g(x) = 11$, find x .