Days 2 – Evaluating Functions - Practice

Evaluate the function and show proper function notation:

1.) For f(x) = 7x + 2, find f(0).

$f(0) = 7(0) + 2$

$f(0) = 2$

2.) For $k(p) = -\frac{1}{5}p + 7$, find k(10).

$k(10) = -\frac{1}{5}(10) + 7$

$k(10) = 5$

3.) For $h(x) = 5x^2 + 2$, find h(-6).

$h(-6) = 5(-6)^2 + 2$

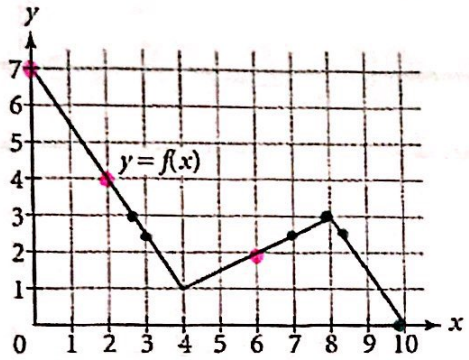
$h(-6) = 182$

4.) For $g(y) = -3y^2 + 2y - 5$, find g(-4).

$g(-4) = -3(-4)^2 + 2(-4) - 5$

$g(-4) = -61$

5.) Evaluate the function for the given values:



a. f(0) = 2

b. f(2) = 4

c. f(0) = 7

d. f(7) = 2.5

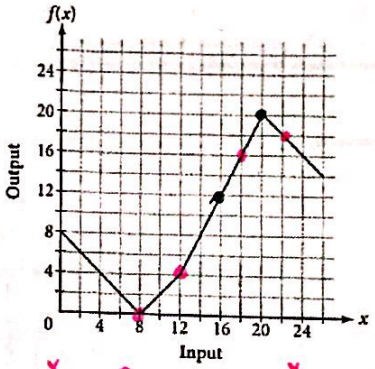
e. f(10) = 0

f. f(8) = 3

f(2.6) = 3

Also possible:
f(3) = 2.5
f(8.4) = 2.5

6.) Evaluate the function for the given values:



a. f(8) = 0

b. f(12) = 4

c. f(18) = 16

d. f(22) = 18

e. f(20) = 20

f. f(16) = 12

7. Use the table below to evaluate each function statement.

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

a. h(7) = 49

b. h(1.5) = 34

c. h(11) = 57

d. h(13) = 61

e. h(9) = 53

f. h(2) = 36