

Another Homework on Interpreting functions

1. If $k(x) = -7x + 1$, find the following:

d. $k(0)$

e. $k(-1)$

f. $k(5)$

2. Using the table of values, find the following:

x	0	9	8	-3	2	-5	20
$f(x)$	-1	4	4	2	9	8	0

a. $f(-3)$

b. $f(20)$

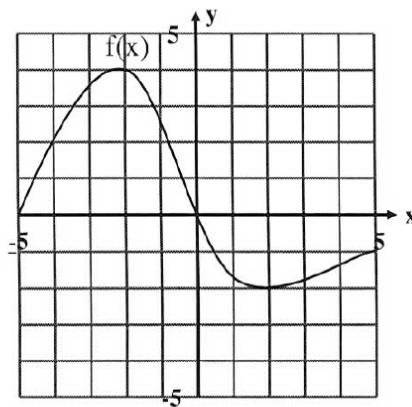
c. $f(8)$

d. $f(-1)$

e. If $f(x) = 9$, what is x ?

f. If $f(x) = 4$, what is x ?

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



Find:

a. $f(-4) =$

b. $f(0) =$

c. $f(3)$

d. $f(-5)$

e. x when $f(x) = 2$

f. x when $f(x) = 0$

4. The function $f(s) = 8s + 15$ represents the cost of ordering s shirts. What are the domain and range of the function?

5. Use the equation $f(s) = 8s + 15$ to evaluate the function at each value. Explain what each means in terms of the problem.

a. $f(7)$

b. $f(100)$

c. $f(11)$