

Function Notation Practice V – TEST REVIEW

Name: _____ Date: _____

1. If $h(x) = 4 - 6x$, find each of the following.

a. $h(-1) =$

b. $h(10) =$

c. $h(5) =$

d. $h(2a)$

e. $h(3m-1)$

2. If $f(x) = 2x^2 - 5$, find each of the following.

a. $f(-5) =$

b. $f(9) =$

c. $f(0) =$

d. $f(3b)$

e. $f(m+6)$

3. Evaluate the following expressions given the functions below:

$$g(x) = 2x + 7$$

$$f(x) = x^2 + 4$$

$$h(x) = \frac{5}{x}$$

$$j(x) = x - 8$$

a. $j(-7) =$

b. $f(-4) =$

c. $h(10) =$

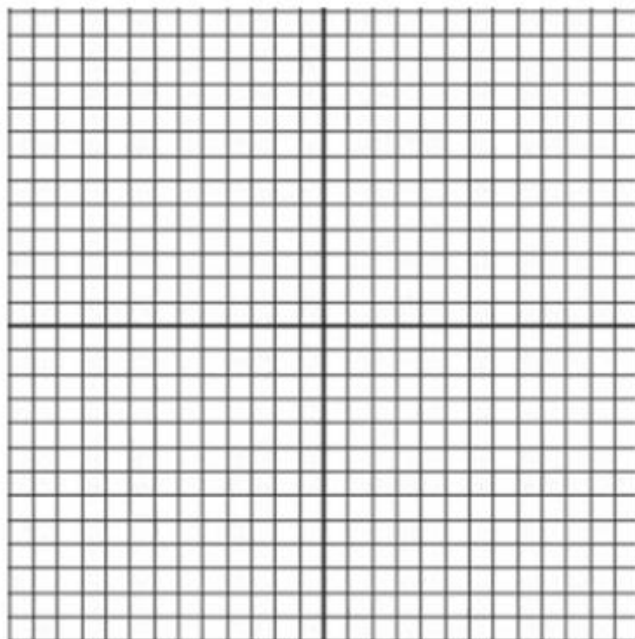
d. $j(2b - 5) =$

e. $h(3m) =$

f. $f(6p) =$

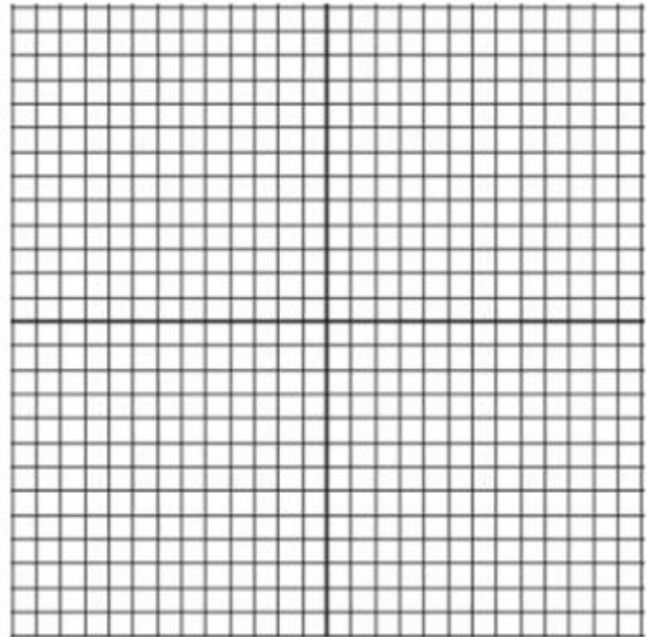
4. Given $f(x) = -3x + 1$. Fill in the table and then sketch a graph.

x	$f(x)$
-1	
0	
-2	
1	
	10



5. Given $f(x) = 4x - 5$. Fill in the table and then sketch a graph.

x	$f(x)$
-2	
-1	
0	
2	
	11



6. Given $f(3m) = 12m - 1$ then $f(x) =$ _____.

a) $f(x) = 36m^2 - 1$

b) $f(x) = 4x - 1$

c) $f(x) = 9x - 1$

d) $f(x) = 3x - 1$

7. Given $f(2a + 3) = 4a + 10$, then $f(x) =$ _____.

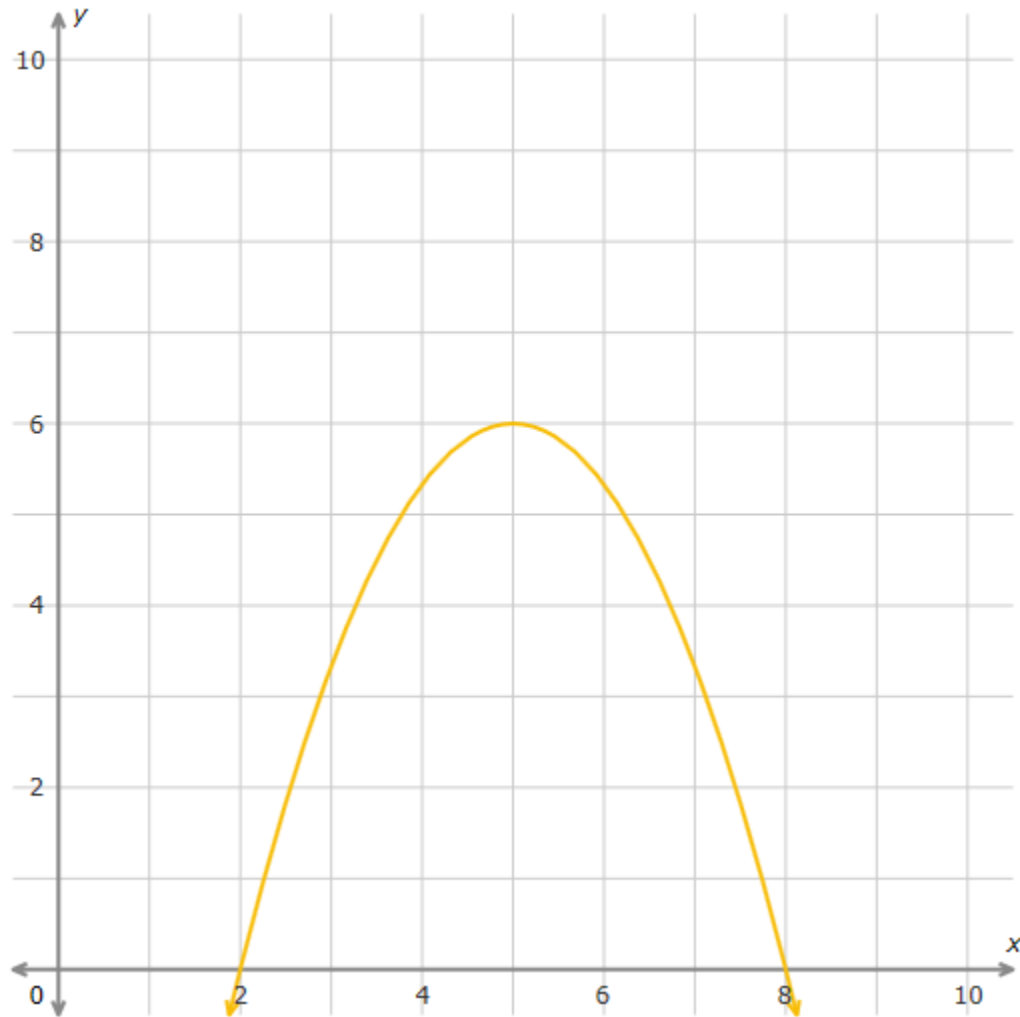
a) $f(x) = 2x + 6$

b) $f(x) = 4x + 10$

c) $f(x) = 6a + 13$

d) $f(x) = 2x + 4$

8. Given the below graph of a function:



Find:

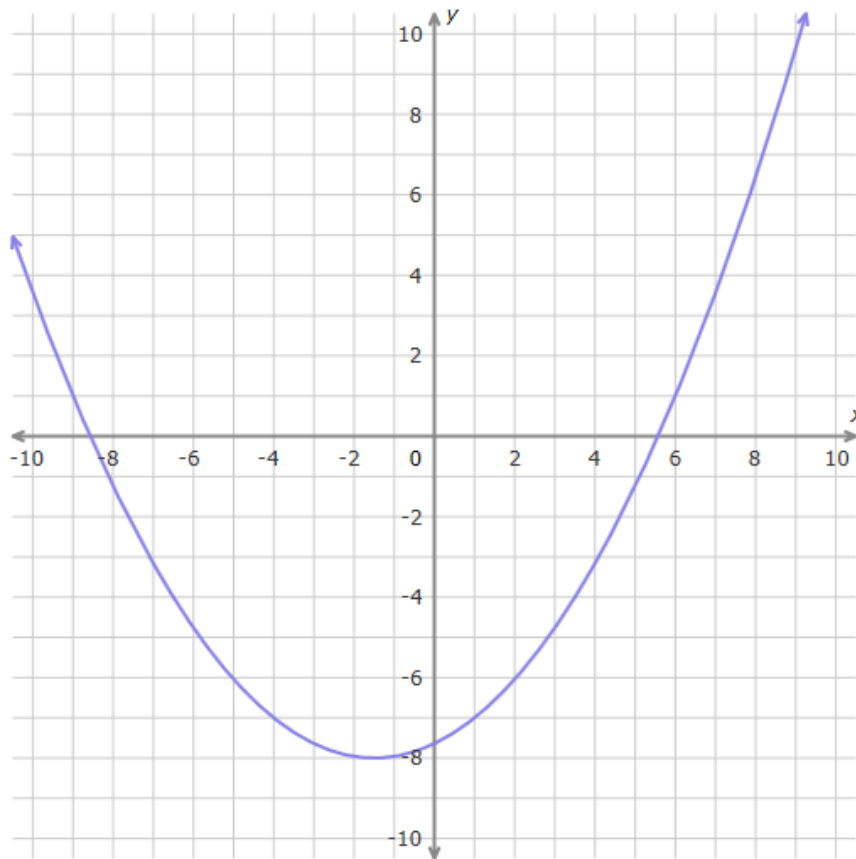
a. $f(2) =$

b. $f(5) =$

c. $f(8) =$

d. $f(4) =$

9. Given the below graph of a function:



Find:

a. $f(1) =$

b. $f(6) =$

c. $f(-4) =$

d. $f(-9) =$

Find:

e. x when $f(x)=0$ (hint: 2 answers)

b. x when $f(x)=9.5$