

1. Evaluate the following expressions given the functions . $g(x) = -3x + 1$ $f(x) = 5 - 7x$

a. $g(10) =$

b. $f(3) =$

c. $g(-2) =$

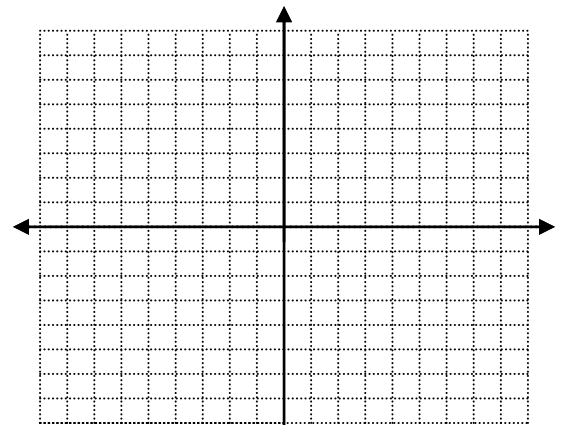
d. $f(-7) =$

e. Find x if $g(x) = 16$

f. Find x if $f(x) = 23$

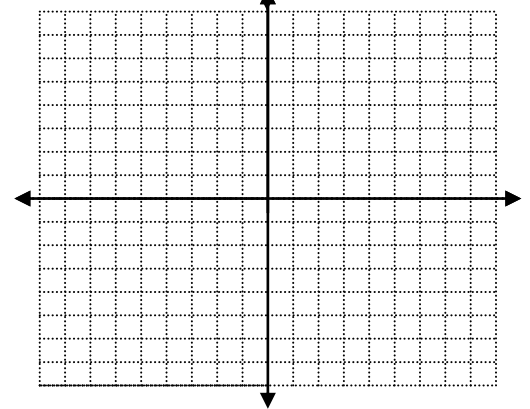
2. Given $f(x) = 3 - 4x$. Fill in the table and then sketch a graph.

x	$f(x)$
-6	
-3	
0	
1	
	-5



3. Given $f(x) = \frac{1}{2}x - 5$. Fill in the table and then sketch a graph.

x	$f(x)$
-6	
-2	
0	
4	
	-1



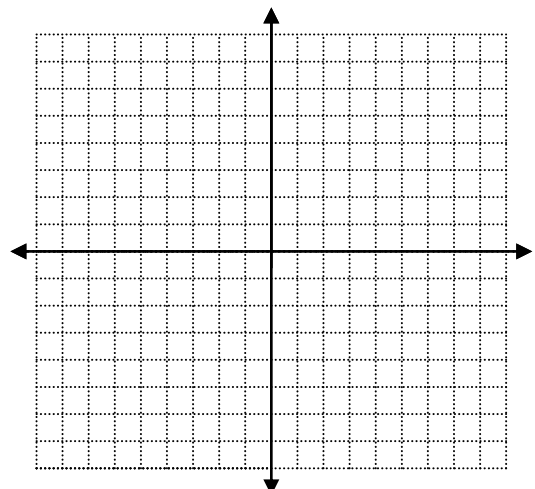
4. Translate the following statements into coordinate points, then plot them.

a. $f(-1) = 1$

b. $f(2) = 7$

c. $f(1) = -1$

d. $f(3) = 0$



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

Find:

a. $f(-1) =$ _____

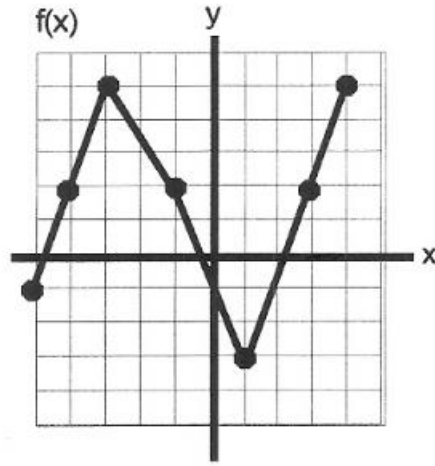
b. $f(4) =$ _____

c. $f(3) =$ _____

d. x when $f(x) = -3$ $x =$ _____

e. $f(-5) =$ _____

f. x when $f(x) = 5$ $x =$ _____



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

Find:

a. $f(-2) =$ _____

b. x when $f(x) = 1$ $x =$ _____

c. $f(1) =$ _____

d. x when $f(x) = -1$ $x =$ _____

