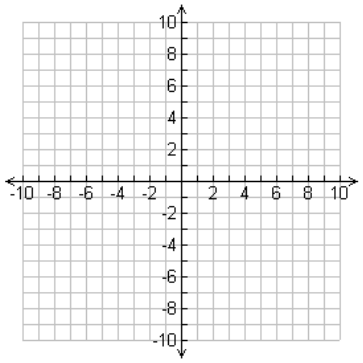
Modeling HW Quiz 1A Name_____

1. Given the coordinate in function notation; a) Rewrite the coordinate as (x, y) b) Plot the point on the graph and c) give the quadrant the point lies in.

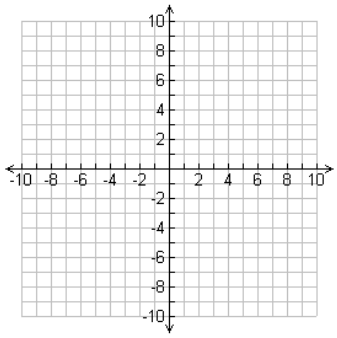
a. f(-1) = 2 *b. f(2) = -5*



2. For the following function: evaluate the given function and then write your problem in terms of (x, y). Plot the points and connect.

Let $g(x) = 5 + 2x$

a. g(-4) = *b. g(1) =*



3. For each of the following, find the value of x given the value of y. Let $h(x) = 2x - 2$

a. h(x) = 5 *b. h(x) = -4*

4. Write the first 5 terms for the sequence

a. $a_n = a_{n-1} + 5 \quad a_0 = 2$ b. $a_{n+1} = a_n - 3 \quad a_0 = -2$

5. *Given the table below write a **function/explicit rule**.*

x	*0*	*1*	*2*	*3*	*4*
y	*5*	*10*	*15*	*20*	*25*

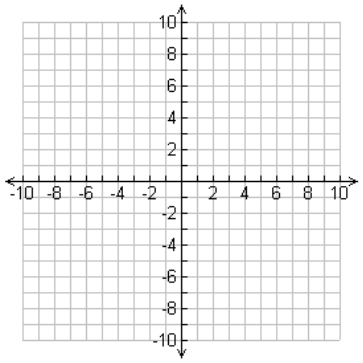
6. *Given the table below write a **function/explicit rule** and a **recursive rule**.*

n	*0*	*1*	*2*	*3*	*4*
a_n	*5*	*10*	*15*	*20*	*25*

Modeling HW Quiz 1B Name_____

1. Given the coordinate in function notation; a) Rewrite the coordinate as (x, y) b) Plot the point on the graph and c) give the quadrant the point lies in.

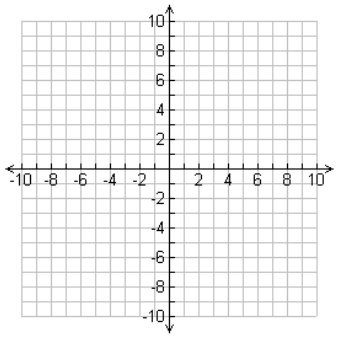
a. f(-2) = 5 *b. f(3) = -2*



2. For the following function: evaluate the given function and then write your problem in terms of (x, y). Plot the points and connect.

Let $g(x) = 6 + 2x$

a. g(-4) = *b. g(1) =*



3. For each of the following, find the value of x given the value of y. Let $h(x) = 3x - 2$

a. h(x) = 5 *b. h(x) = -4*

4. Write the first 5 terms for the sequence

b. $a_n = a_{n-1} + 2 \quad a_0 = 5$ b. $a_{n+1} = a_n - 2 \quad a_0 = -3$

5. *Given the table below write a **function/explicit rule**.*

x	*0*	*1*	*2*	*3*	*4*
y	*6*	*8*	*10*	*12*	*14*

6. *Given the table below write a **function/explicit rule** and a **recursive rule**.*

n	*0*	*1*	*2*	*3*	*4*
a_n	*6*	*8*	*10*	*12*	*14*