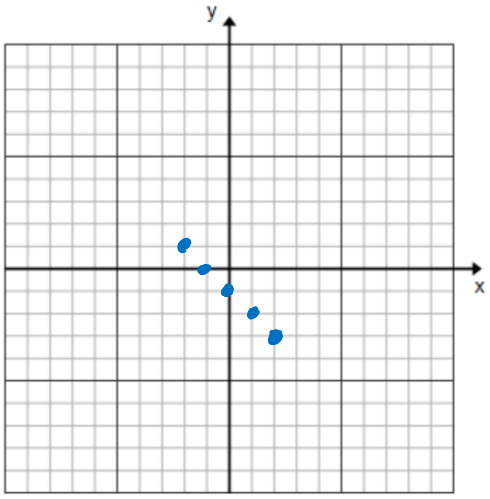
UNIT 3 DAY 5: FUNCTION NOTATION VALUES FROM TABLES AND GRAPHS
HOMEWORK (FRONT PAGE ONLY)

1. Graph the function f(x) = -x - 1 with domain x =-2, -1, 0, 1, 2, 3

   a. Make an input/output table

x	y	
-2	1	f(-2) = -(-2) -1 = 1
-1	0	f(-1) = -(-1) -1 = 0
0	-1	f(0) = 0 -1 = -1
1	-2	f(1) = -(1) -1 = -2
2	-3	f(2) = -(2) -1 = -3
3	-4	f(3) = -(3) -1 = -4

   b. Graph



Connect the points? Why or why not?

No.... see domain

(#2-7) Using the table below, evaluate the following.

x	$f(x)$	$g(x)$	$h(x)$
-1	9	-3	5
0	7	0	4
1	5	-3	3
2	3	6	2
3	1	12	2

2. $g(1) =$ -3

3. f(0) = 7

4. $f(3) =$ 1

5. h(0) = 4

6. Find x when g(x) = -3 x = -1, x = 1

7. Find x when f(x) = 7 x = 0

UNIT 3 DAY 6: FUNCTION NOTATION VALUES FROM TABLES AND GRAPHS
HOMEWORK (BACK PAGE ONLY)

1. Given the verbal rule: The output is 4 more than 3 times the input $y = 3x+4$

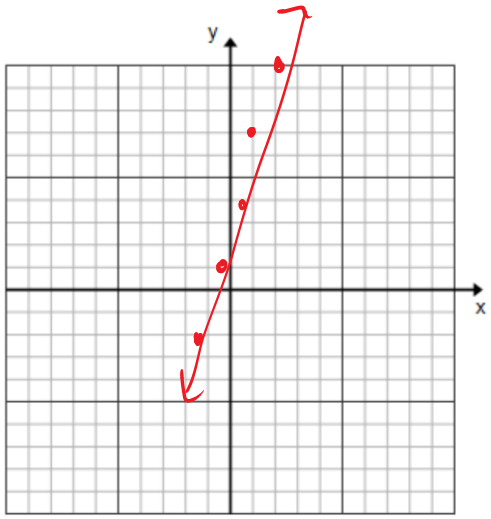
   a. Write an equation that represents the rule: $f(x) = 3x+4$

   b. Make a Table

x	y
-2	-2
-1	1
0	4
1	7
2	10

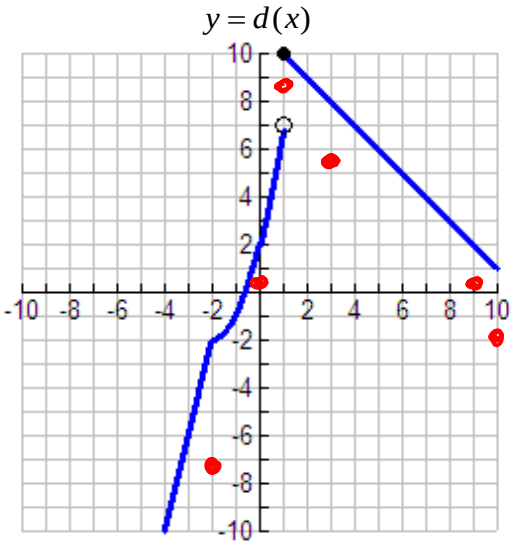
$f(x) = 3x+4$
$f(-2) = 3(-2)+4 = -2$
$f(-1) = 3(-1)+4 = 1$
$f(0) = 3(0)+4 = 4$
$f(1) = 3(1)+4 = 7$
$f(2) = 3(2)+4 = 10$

Graph:



(#2-7) Using the graph below, evaluate the following:

2. d(-2) = -2 3. d(1) = 10 4. d(10) = 1



5. d(0) = 2 6. Find x when d(x) = 7 x = 3

7. Find x when d(x) = 2 x = 0, x = 9