Day 3 - Graphing Functions – Notes

Learning Goal: I can graph a function using an input/output table. 0 1 2 3 4

Review: Graph the following function values on the graph:

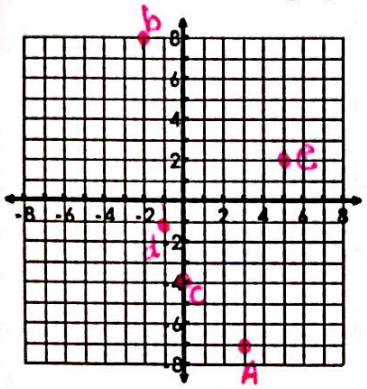
a. f(3) = -7

b. f(-2) = 8

c. f(0) = -4

d. f(-1) = -1

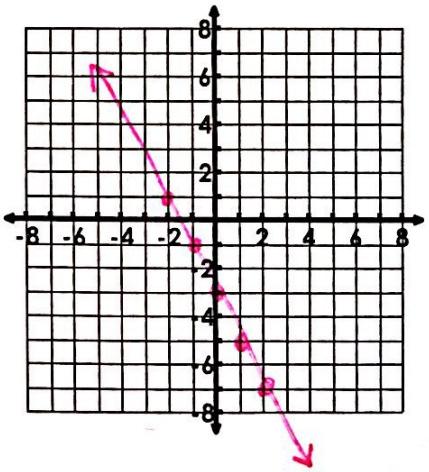
e. f(5) = 2



You can also evaluate functions to create input and output tables that can be used to graph the function.

Ex. Using the values of -2, -1, 0, 1, and 2, complete the input/output table and graph.

Input (x)	f(x) = -2x - 3	Output (y)
-2	f(-2) = -2(-2)-3	1
-1	f(-1) = -2(-1)-3	-1
0	f(0) = -2(0)-3	-3
1	f(1) = -2(1)-3	-5
2	f(2) = -2(2)-3	-7



Ex. Using the values of -2, -1, 0, 1, and 2, complete the input/output table and graph.

Input (x)	f(x) = 4x – 1	Output (y)
-2	f(-2) = 4(-2)-1	-9
-1	f(-1) = 4(-1)-1	-5
0	f(0) = 4(0)-1	-1
1	f(1) = 4(1)-1	3
2	f(2) = 4(2)-1	7