

Name: _____ Algebra 9 Unit 3 Lesson 3

Review Plotting Points

DO NOW ~ Wednesday 1/22

Find out the outputs for the given inputs using the following functions.

(a) $f(x) = 3x + 7$

$f(2) =$

$f(2) = 3(2) + 7$

$f(2) = 13$

$f(-3) =$

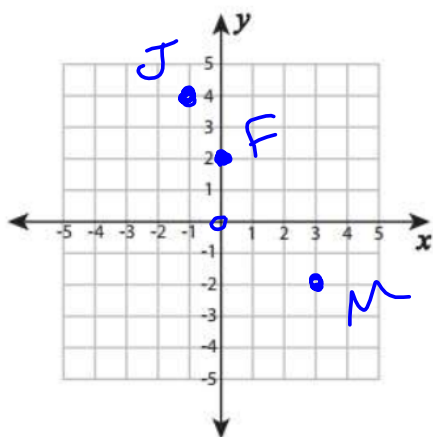
$f(-3) = 3(-3) + 7$

$f(-3) = -2$



Classwork

Plot the following points on the coordinate grid below:



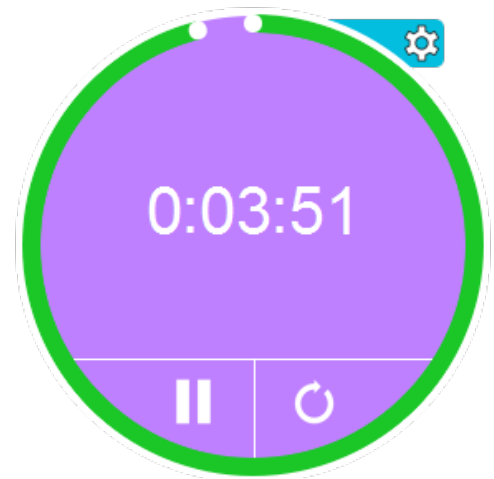
✓
x y
J (-1, 4)

✓
x y
M (3, -2)

✓
x y
F (0, 2)

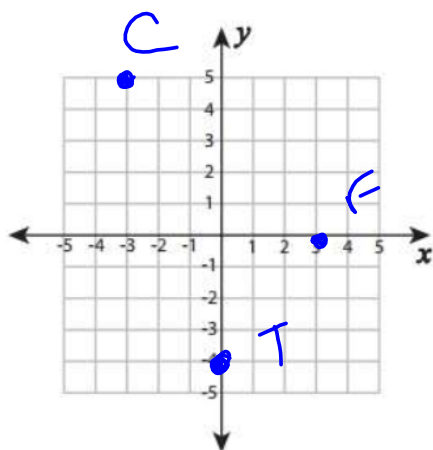
To earn your full participation point for the Do Now be sure to have completed all of the following by the time is up:

- 1) Be in your seat
- 2) Take out your calculator
- 3) Have last night's homework out
- 4) Complete the do now



DO NOW ~ Thursday 1/23

Plot the following points on the coordinate grid below:



$T(0, -4)$

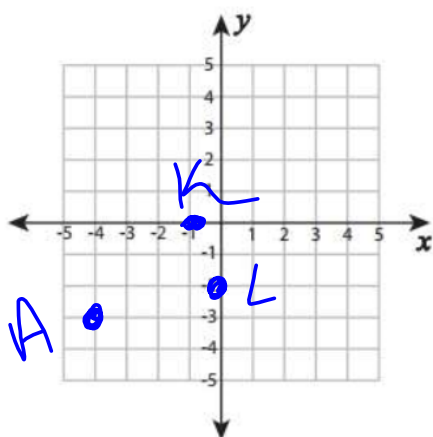
$C(-3, 5)$

$F(3, 0)$



Classwork

Plot the following points on the coordinate grid below:



$L(0, -2)$

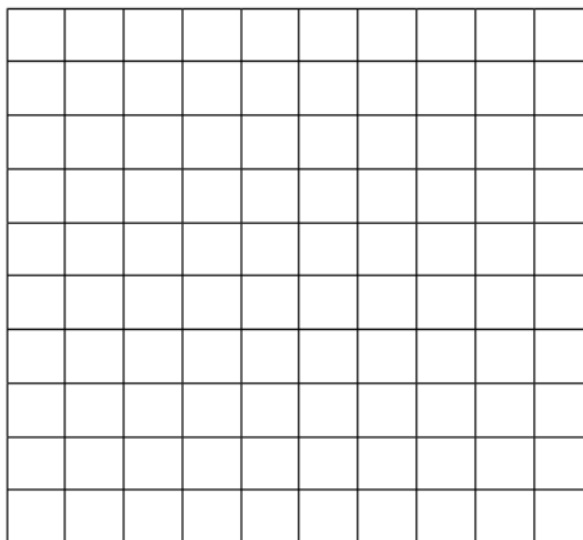
$A(-4, -3)$

$K(-1, 0)$

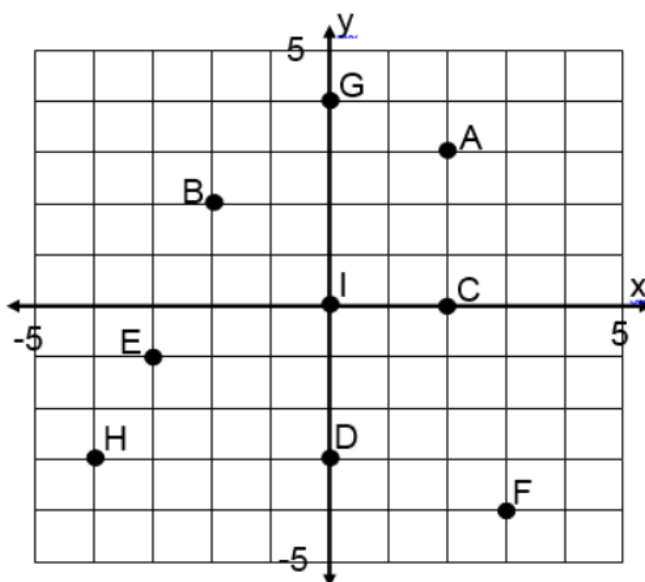
Mrs. Ferreri's Station ~ Plotting Points

Directions: 1) Draw and label the x and y-axes using a ruler. 2) NUMBER the x and y-axes. 3) Plot the following points. **Be sure to label the points with the corresponding letter.

- A (4,1)
- B (0,1)
- C (-2,5)
- D (-3,0)
- E (3,-2)
- F (1,-2)
- G (-4,-3)
- H (0,0)



Write the order pairs that correspond to the points labeled.



Computer Station ~ Delta Math

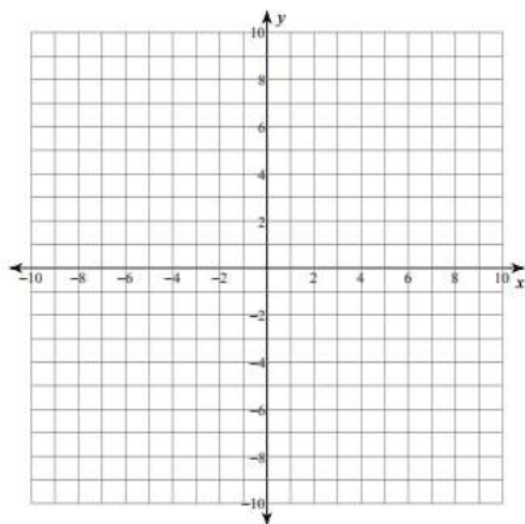
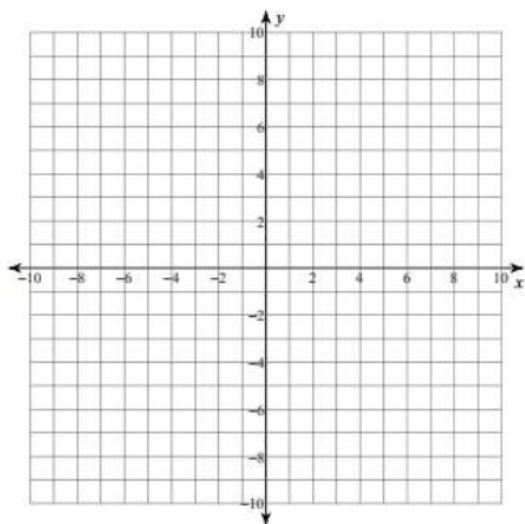
*Complete the assignment, "Evaluating Functions" on Delta Math. **This assignment will be graded.***

Be sure to show the substitution below:

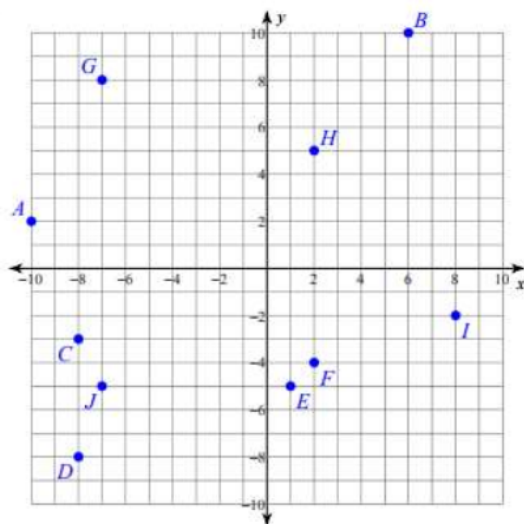
Mrs. Kennedy's Station ~ Plotting Points**Plot each point.**

- 1) $J(5, 10)$ $I(1, 9)$ $H(6, -9)$
 $G(-6, 8)$ $F(9, 0)$ $E(-6, 0)$
 $D(-8, -4)$ $C(5, 0)$ $B(-1, -1)$
 $A(-8, -1)$

- 2) $A(7, 10)$ $B(0, 4)$ $C(-1, 10)$
 $D(-6, -6)$ $E(10, 0)$ $F(9, 7)$
 $G(-3, -4)$ $H(-4, -9)$ $I(4, 1)$
 $J(7, -9)$

**State the coordinates of each point.**

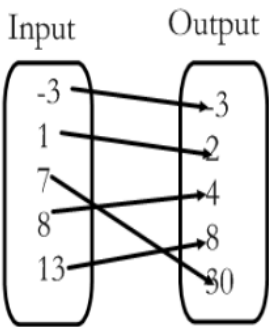
3)



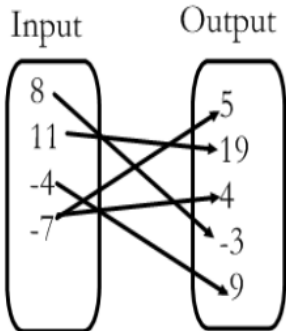
Independent Station ~ Identifying Functions

Determine if each relation below is a function.

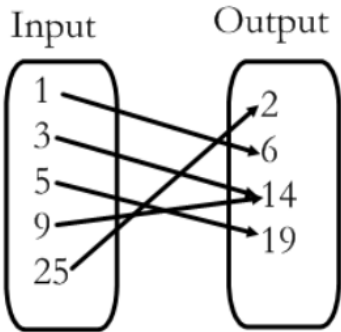
Function: Y N



Function: Y N



Function: Y N



Function: Y N

x	y
-7	9
-3	11
-1	-8
6	8
-3	19
-9	-10

Function: Y N

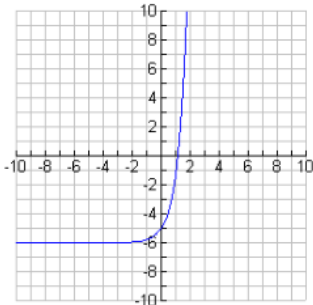
x	y
-6	13
-4	18
-2	25
0	34
2	45
4	58

Function: Y N

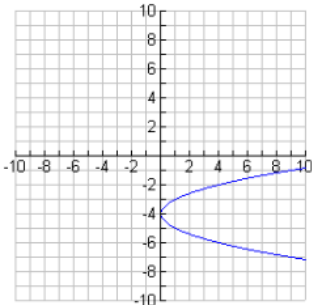
x	y
3	18
8	11
11	4
7	-6
2	18
-1	21

Continue onto next page.

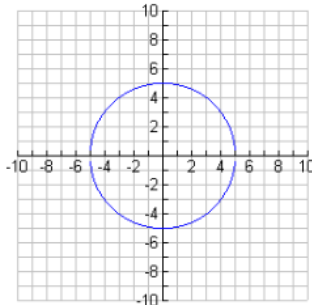
Function: Y N



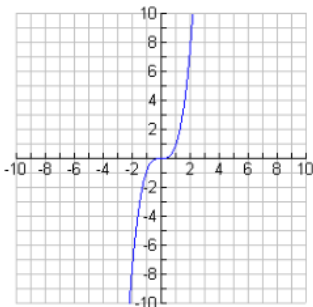
Function: Y N



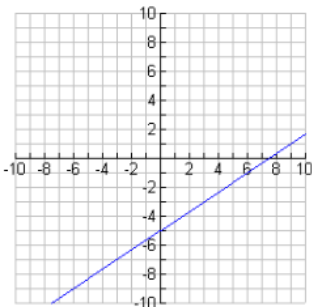
Function: Y N



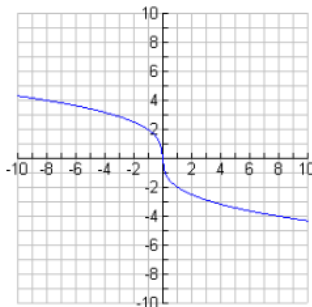
Function: Y N



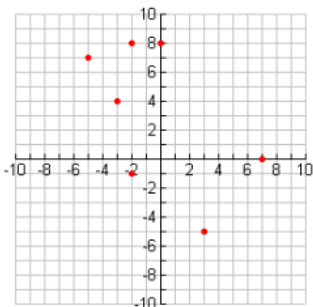
Function: Y N



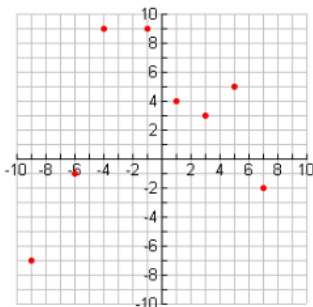
Function: Y N



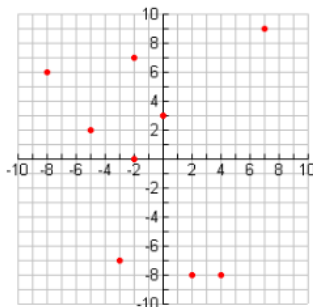
Function: Y N



Function: Y N

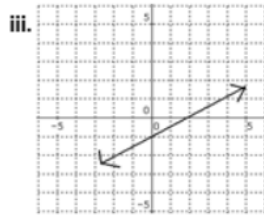
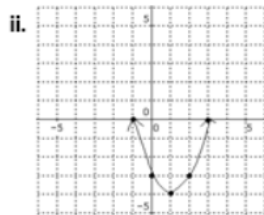
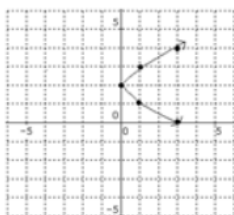


Function: Y N



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Identify which of the following are functions.



5. Which table of values is NOT a function?

A)

In	Out
-3	-2
-2	-2
-1	-2
0	-2
1	-2
2	-2
3	-2

B)

In	Out
-3	5
-2	6
-1	7
0	8
1	9
2	10
3	11

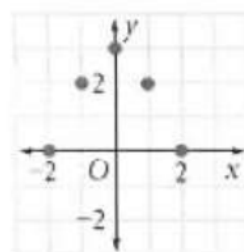
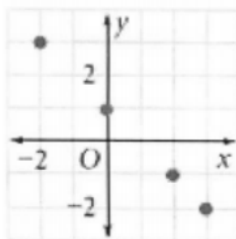
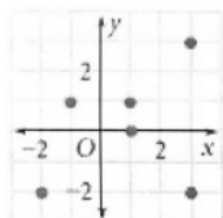
C)

In	Out
-3	-10
-2	-8
-1	-6
0	-4
-1	-2
-2	0
-3	-2

D)

In	Out
-3	7
-2	5
-1	3
0	-1
1	-3
2	-5
3	-7

Function or not a function?

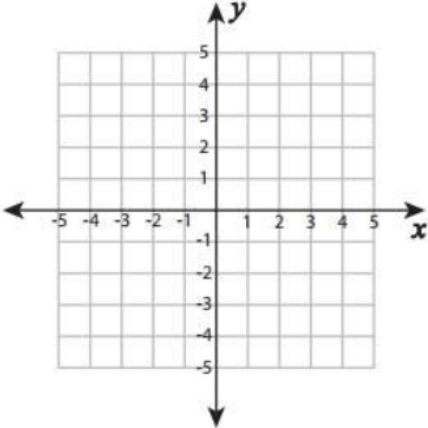


$\{(-2, -1), (0, 3), (5, 4), (-2, 3)\}$

$\{(-1, 5), (0, 3), (2, 3), (3, -1)\}$

Homework ~ Wednesday 1/22

Plot the following points on the coordinate grid below:



A (5, -2)

B (4, 0)

C (-3, 0)

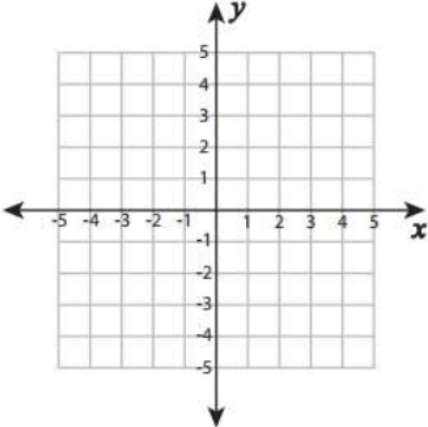
D (2, -2)

E (-1, -1)

F (0, 0)

Homework ~ Thursday 1/23

Plot the following points on the coordinate grid below:



A (-4, 1)

B (-2, 0)

C (0, 0)

D (-3, 5)

E (-1, -5)

F (3, 3)

10