

8 Algebra CC

Do Now

Determine if the following are functions. Write "function" or "not a function" on the line.

a)

Σ	1	2	3	4
Υ	4	-2	5	-3

Function

b)

Σ	0	8	-2	6
Υ	7	-2	8	1

Function

c)

Σ	4	3	4	6
Υ	6	-1	2	6

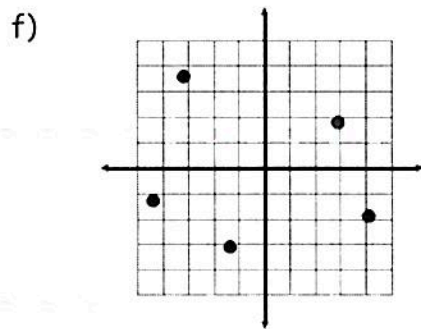
NOT a function

d) $\{(6, 1), (4, 2), (6, -3), (2, 5)\}$

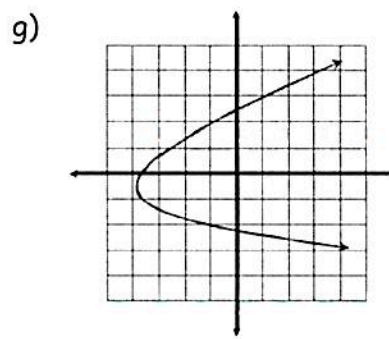
NOT a function

e) $\{(5, 8), (3, -2), (-2, -5), (0, 0)\}$

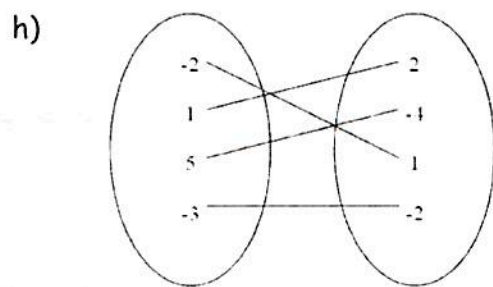
function



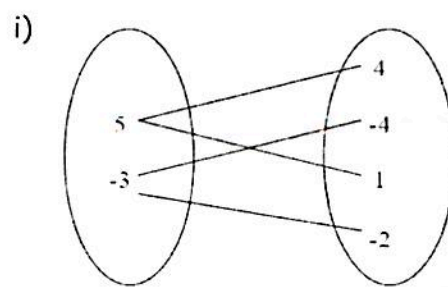
function



Not a function



Function



NOT a function

Name: _____

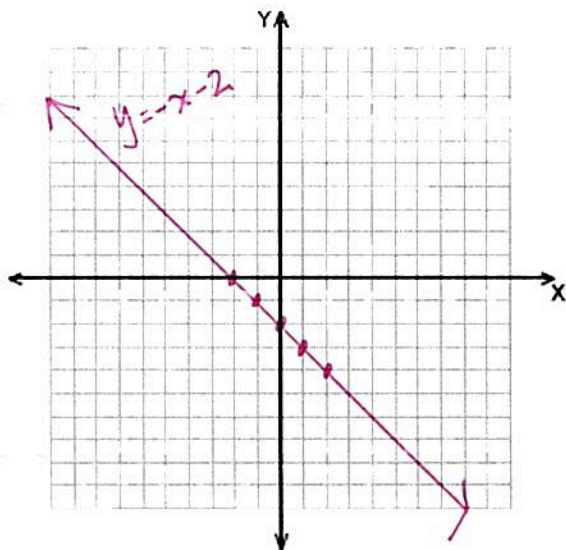
Graphing using a table of values

Date: _____

8 Algebra CC

- 1 Complete the table for $y = -x - 2$ and graph the resulting line.

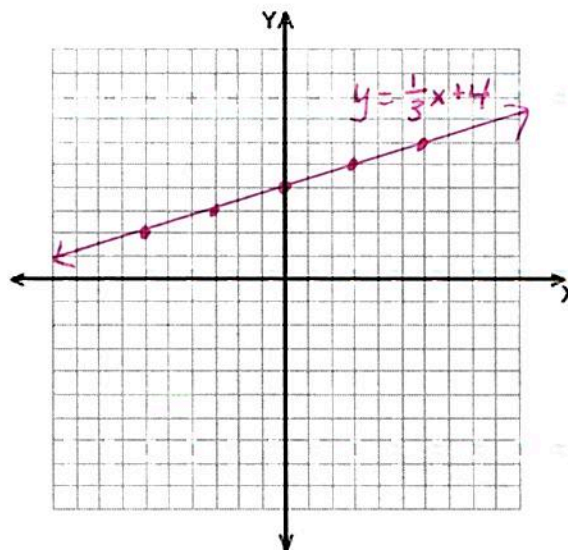
x	y
-2	0
-1	-1
0	-2
1	-3
2	-4



- 2 Complete the table for $y = \frac{1}{3}x + 4$ and graph the resulting line.

** use multiples of 3.*

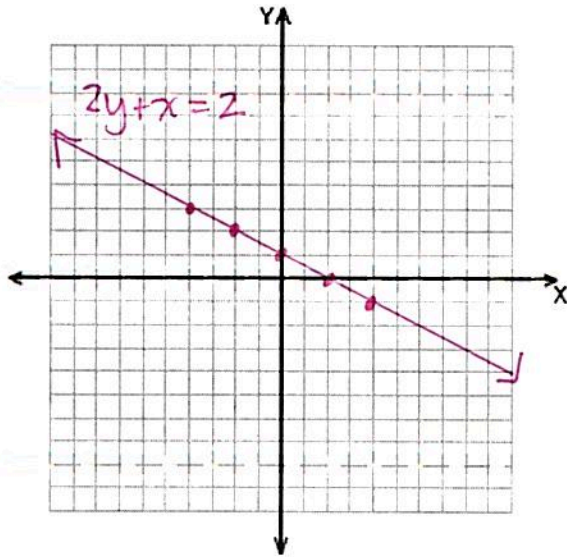
x	y
-6	2
-3	3
0	4
3	5
6	6



- 3 Complete the table for $2y + x = 2$ and graph the resulting line.

$$\begin{array}{r}
 2y + x = 2 \\
 -x \quad -x \\
 \hline
 2y = -x + 2 \\
 \frac{2y}{2} = \frac{-x + 2}{2} \\
 y = -\frac{1}{2}x + 1
 \end{array}$$

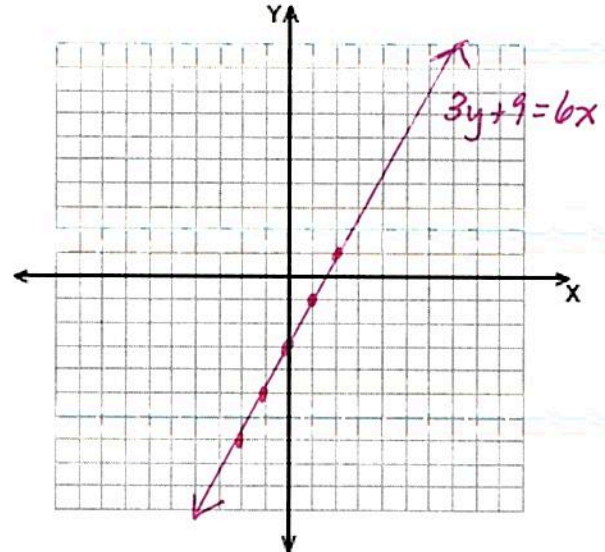
x	y
-4	3
-2	2
0	1
2	0
4	-1



- 4 Complete the table for $3y + 9 = 6x$ and graph the resulting line.

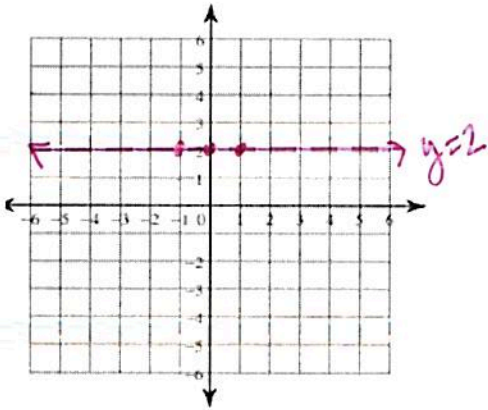
x	y
-2	-7
-1	-5
0	-3
1	-1
2	1

$$\begin{array}{r}
 3y + 9 = 6x \\
 -9 \quad -9 \\
 \hline
 3y = 6x - 9 \\
 \frac{3y}{3} = \frac{6x - 9}{3} \\
 y = 2x - 3
 \end{array}$$



5)

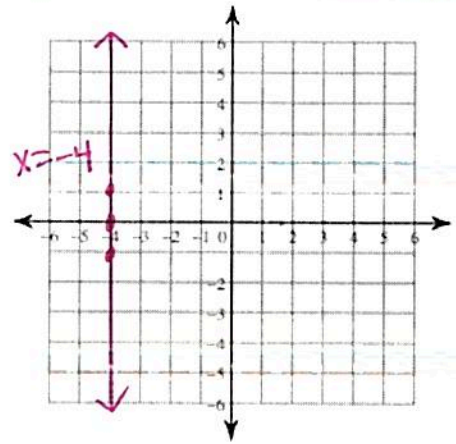
$$y = 2$$



x	y
-1	2
0	2
1	2

6)

$$x = -4$$



x	y
-4	-1
-4	0
-4	1