

Review Checkpoint #1

1. Complete the graph for the equation $\rightarrow y = 2x$

a. Find the missing values in the data table below. Reorder. (Use substitution)

BY THE GIVEN
VALUE (x & y) INTO
THE EQUATION

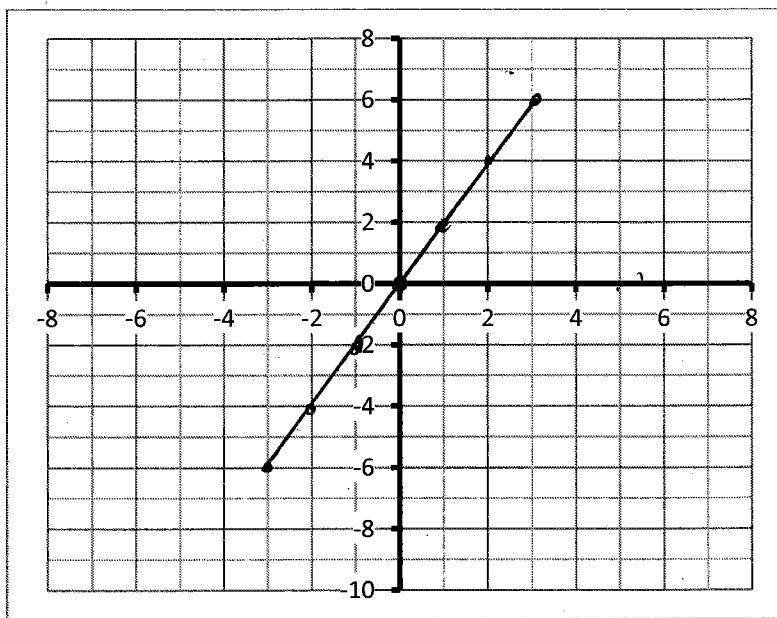
$y = 2x$, THEN
SOLVING FOR THE
OTHER VARIABLE

x	y
0	0
1	2
-1	-2
2	4
3	6
-3	-6
-2	-4

\rightarrow
Reorder
(x smallest
to largest)

x	y
-3	-6
-2	-4
-1	-2
0	0
1	2
2	4
3	6

b. Plot the points onto the grid below. Draw the line.



c. What is the slope of the line? 2

2. Complete the graph for the equation $\rightarrow y = \frac{3}{4}x$

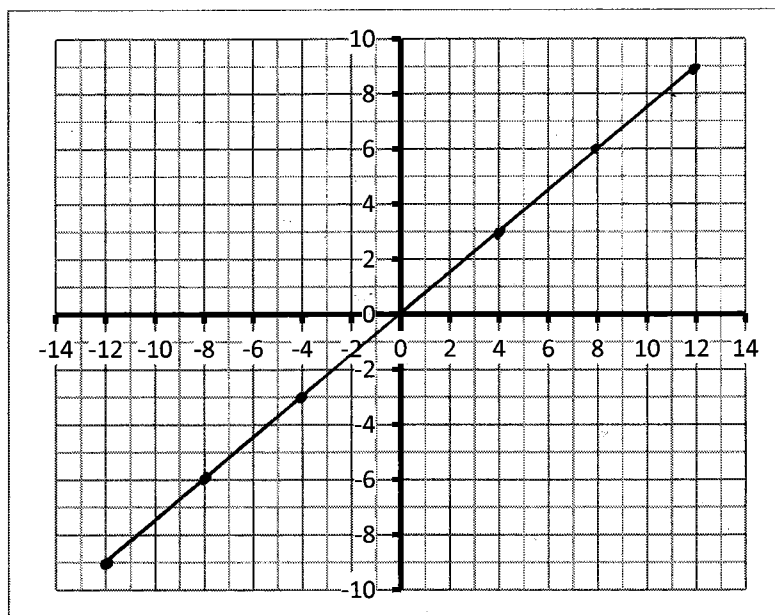
a. Find the missing values in the data table below. Reorder. (Use substitution)

x	y
12	9
0	0
8	6
-12	-9
-8	-6
-4	-3
4	3

\rightarrow
Reorder

-12	-9
-8	-6
-4	-3
0	0
4	3
8	6
12	9

b. Plot the points onto the grid below. Draw the line.



c. What is the slope of the line? $\frac{3}{4}$

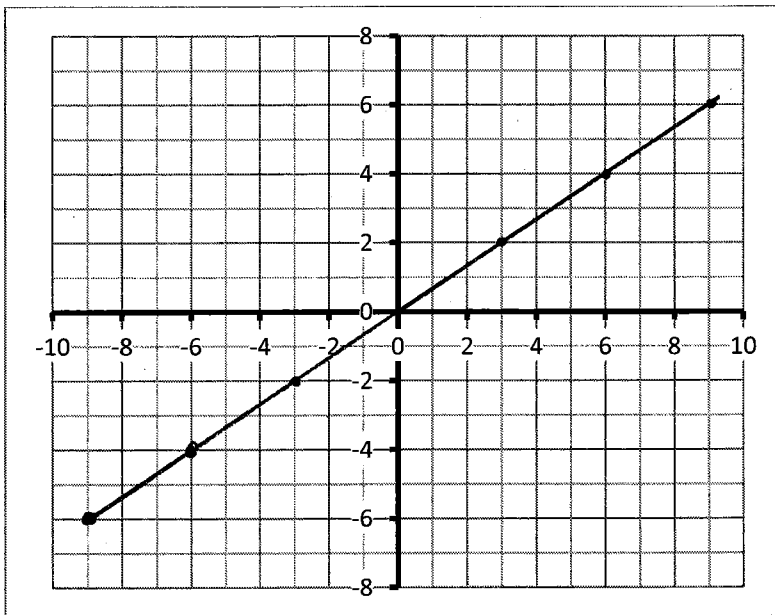
3. Determine the equation of the line given the information below.
- a. Reorder the table below.

x	y
9	6
-6	-4
0	0
-3	-2
-9	-6
3	2
6	4

→
Reorder

-9	-6
-6	-4
-3	-2
0	0
3	2
6	4
9	6

- b. Plot the points onto the grid below. Draw the line.



- c. What is the slope of the line?

$\frac{2}{3}$

4. Determine the equation of the line given the information below.

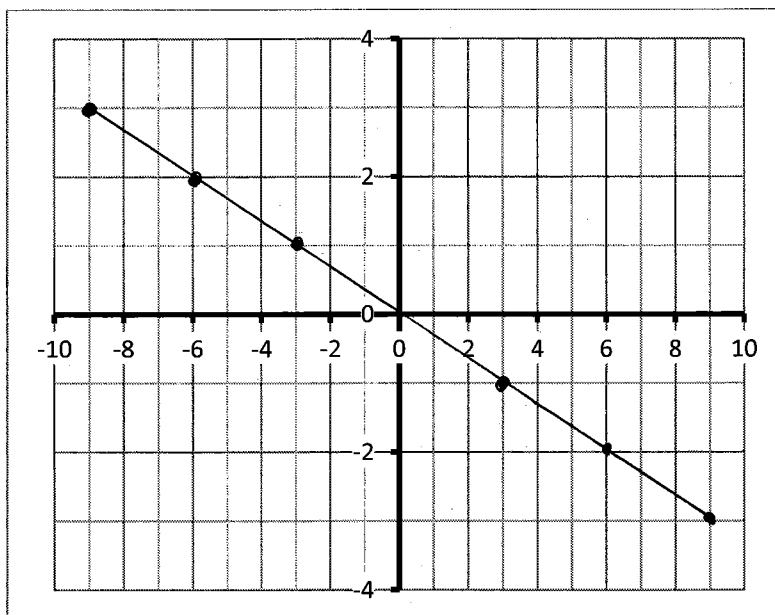
a. Reorder the table below.

X	Y
-3	1
6	-2
9	-3
-6	2
3	-1
0	0
-9	3

→
Reorder

-9	3
-6	2
-3	1
0	0
3	-1
6	-2
9	-3

b. Plot the points onto the grid below. Draw the line.



c. What is the slope of the line? $-\frac{1}{3}$