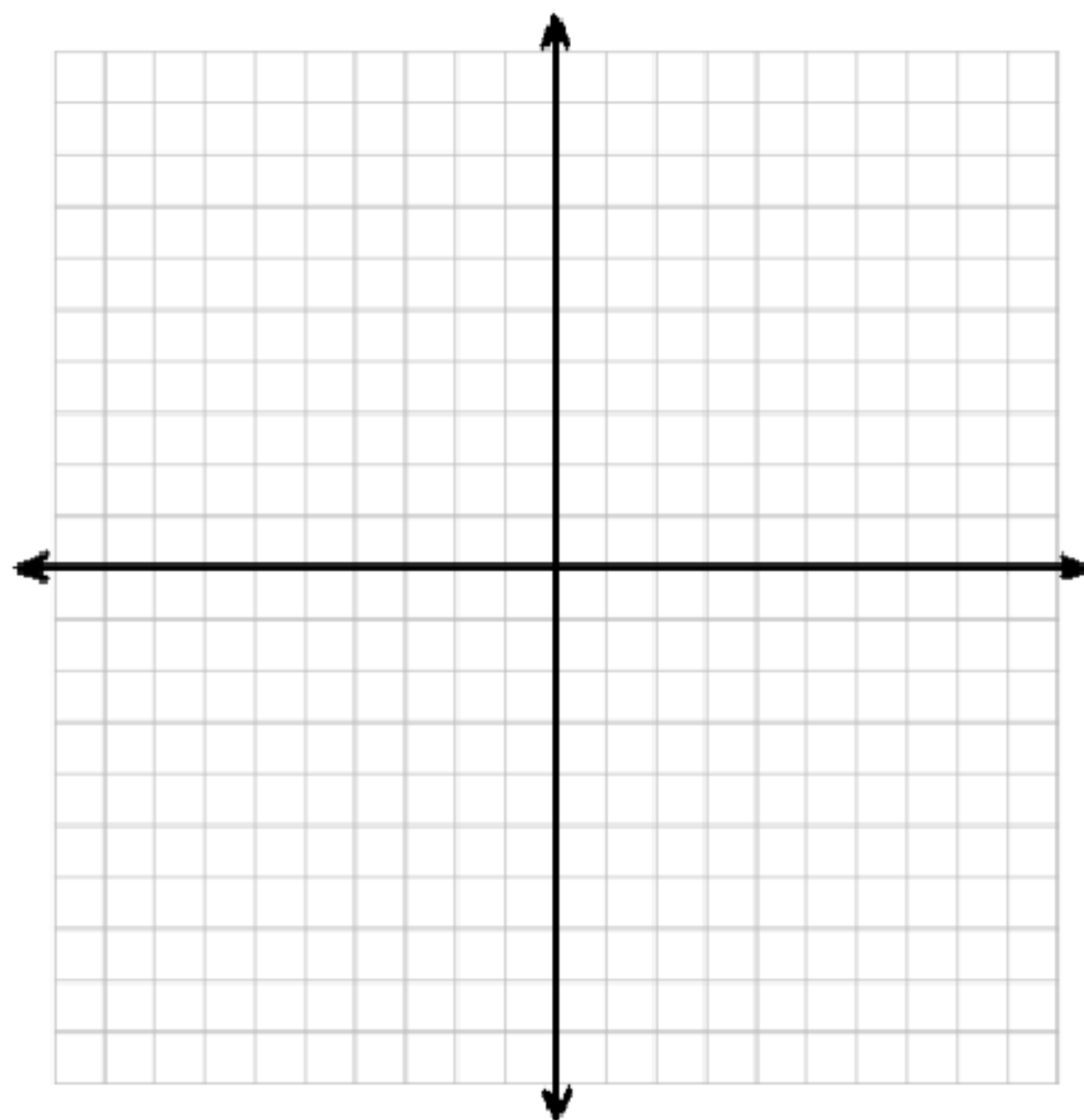






- 1) Complete the table of values. Write an equation to describe the relation.

a) The sum of the numbers is -5 .

x	y
-2	-3
-1	-4
0	-5
1	-6
2	-7

The Equation is:

$$x + y = -5$$

b) The first number is triple the second plus four.

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

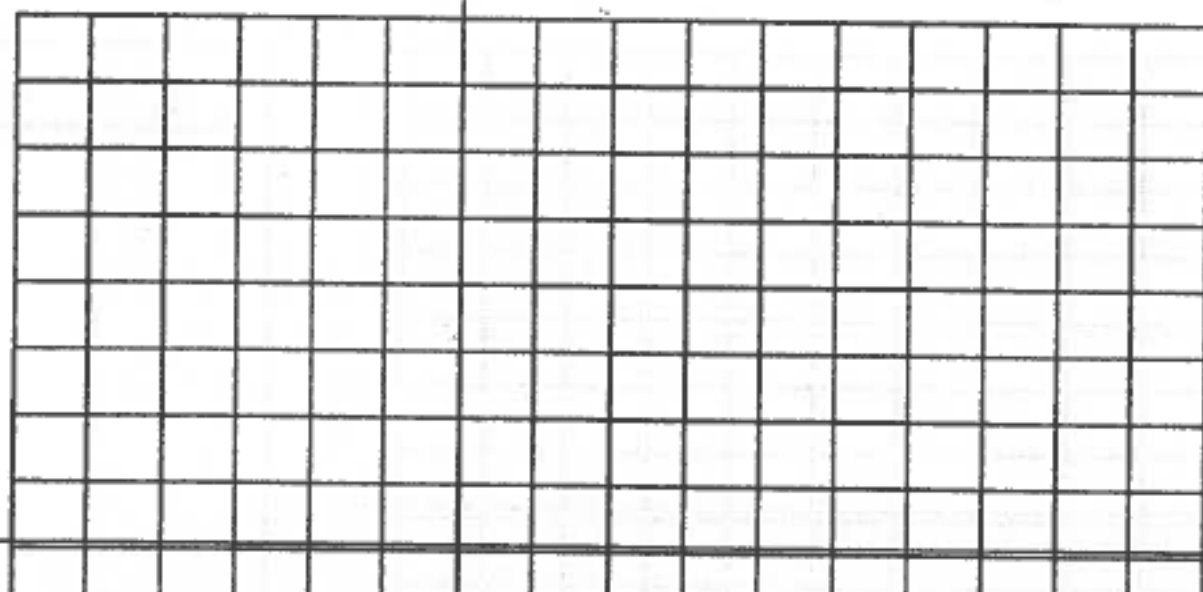
The Equation is:

$$x = 3y + 4$$

- 2) A) Plot & Label the points A(-2, 4), B(5, 4), C(3, -2), D(-4, -2) Connect the points.
- B) Identify the shape: _____. Calculate the area in the space below.

C) Label the Origin on the grid.

D) What is the slope of line AB? _____. What is the slope of line BC? _____.

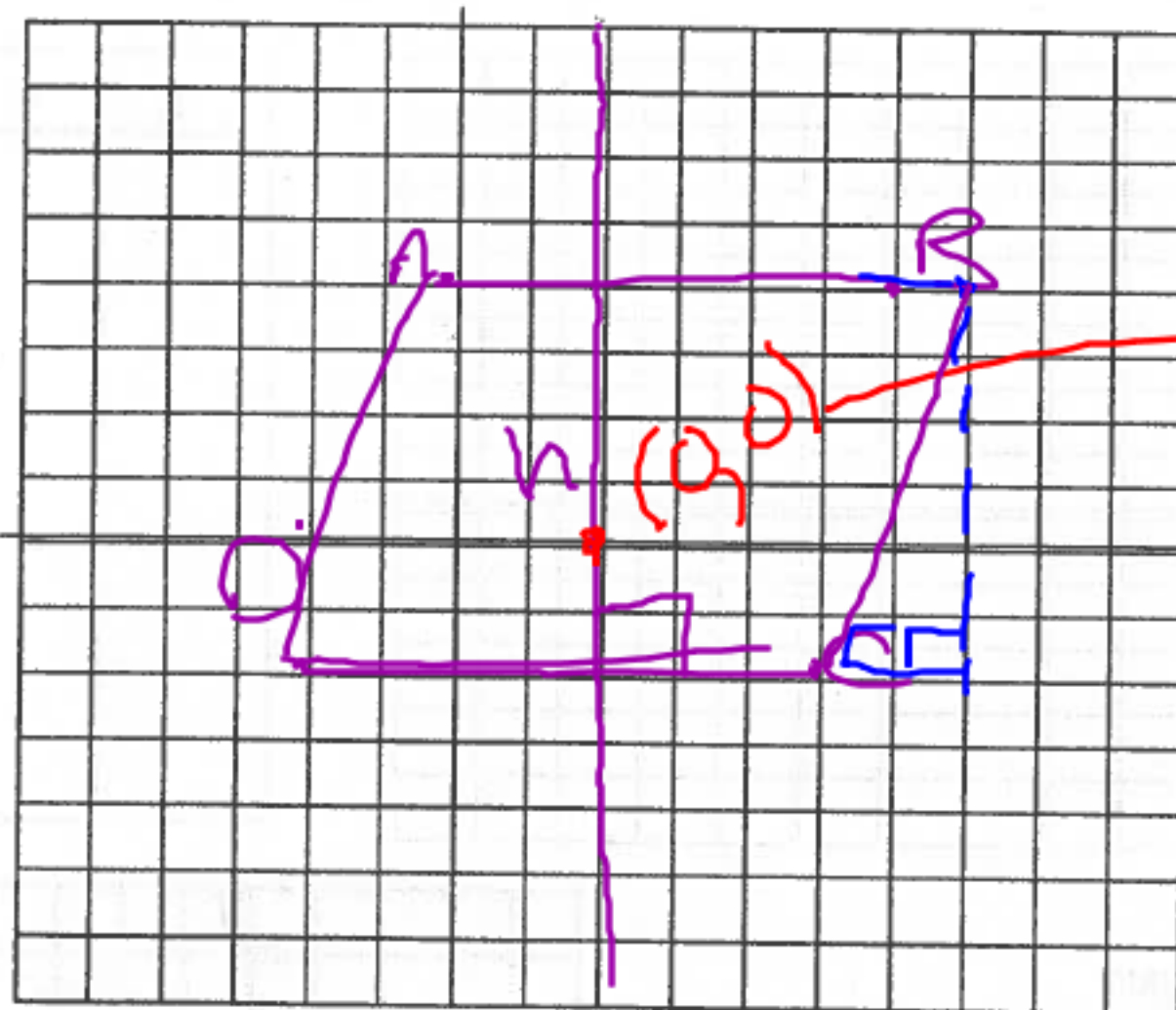


2) A) Plot & Label the points A(-2, 4), B(5, 4), C(3, -2), D(-4, -2) Connect the points.

B) Identify the shape: parallelogram Calculate the area in the space below.

C) Label the Origin on the grid.

D) What is the slope of line AB? 0. What is the slope of line BC? 3.



$$A = bh$$

$$A = 7 \times 6$$

$$A = 42 \text{ u}^2$$

$$m_{BC} = \frac{\text{Rise}}{\text{Run}} = \frac{6}{2} = 3$$

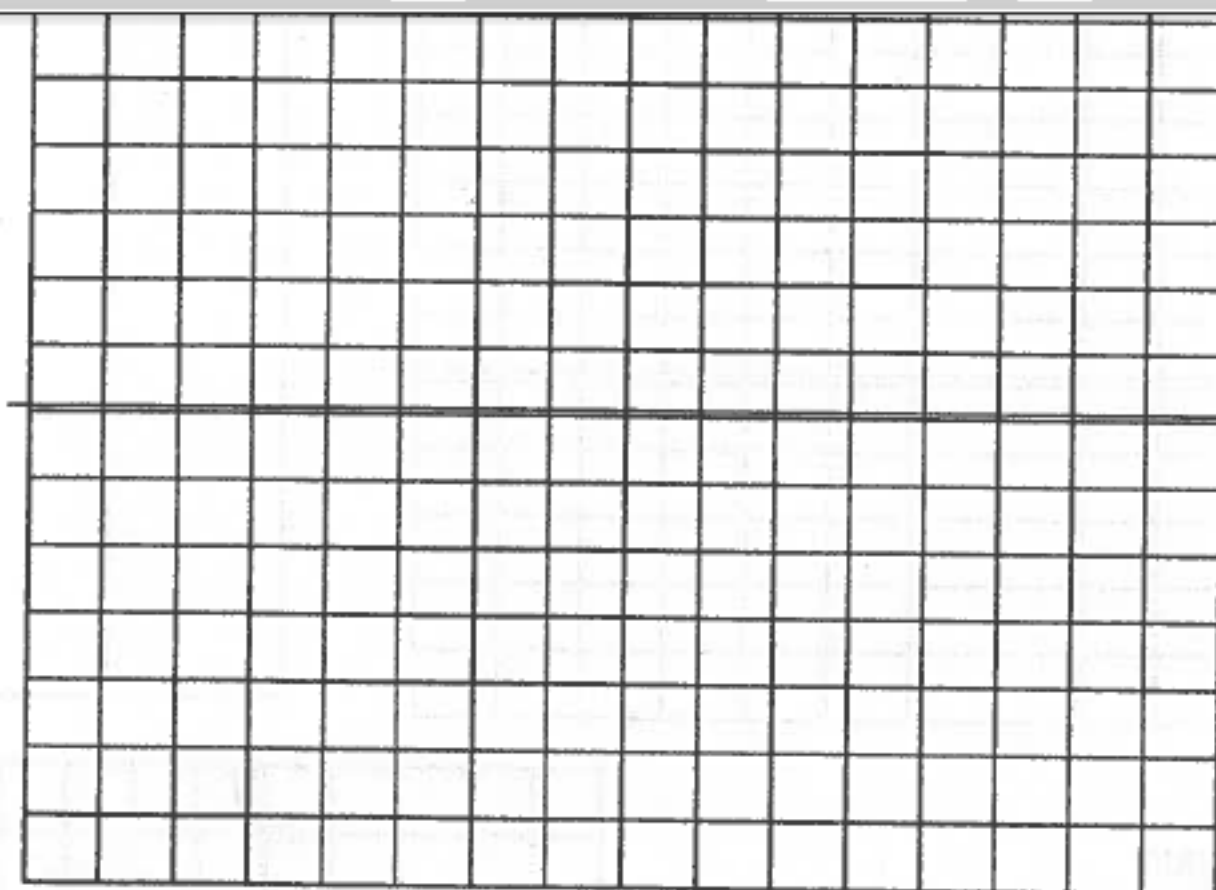
3) Draw a sketch for the following lines.

a) Line with undefined slope

b) Line $y = x$

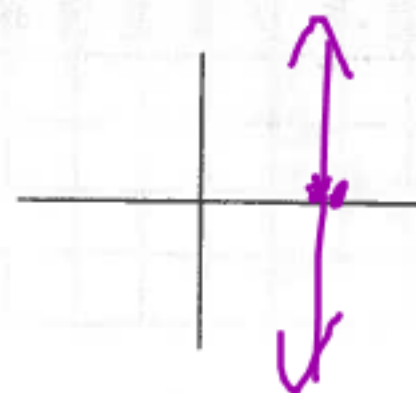
c) Line with y-intercept = 2

d) Line $y = -1$

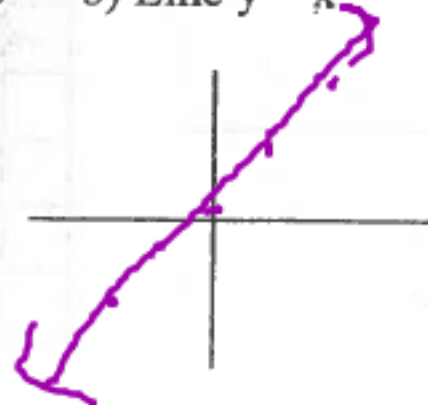


3) Draw a sketch for the following lines.

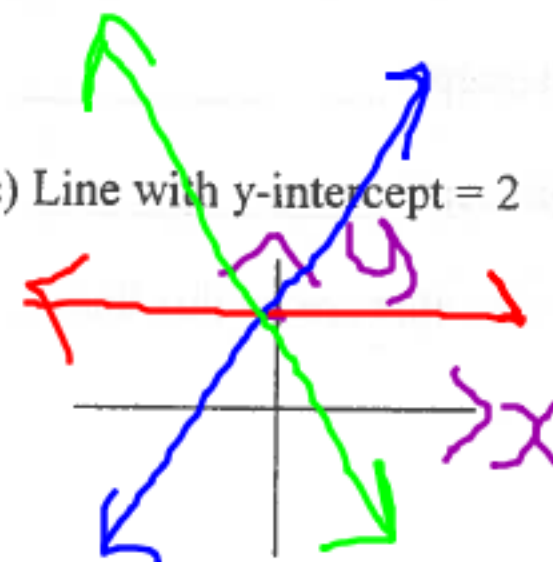
a) Line with undefined slope



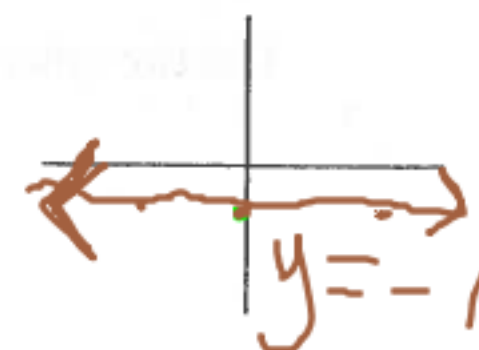
b) Line $y = x$



c) Line with y-intercept = 2



d) Line $y = -1$





2

/ 4



100%

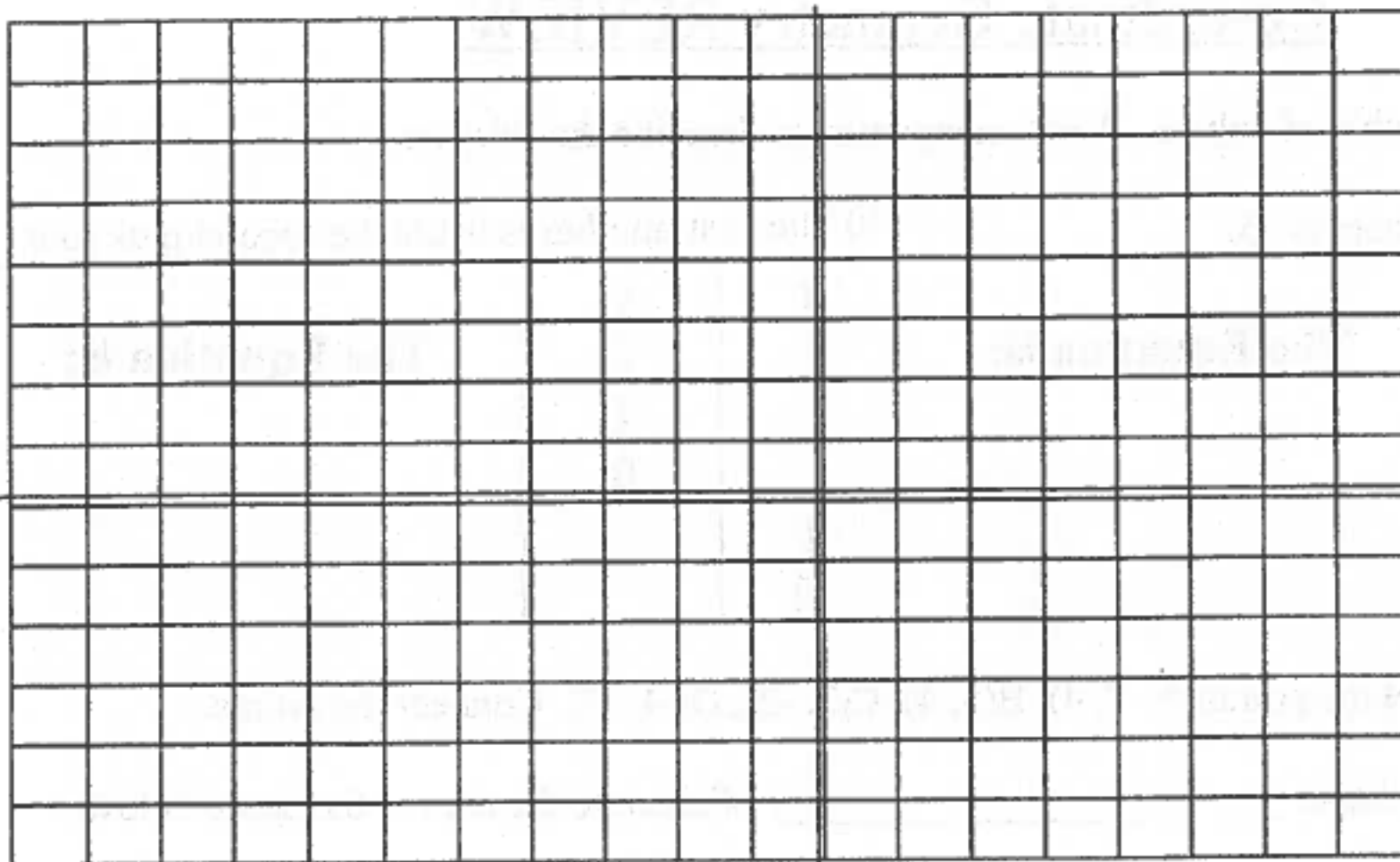


Tools

Sign

Comment

- 4) a) Graph the two equations; write a table of values for each line: A) $y = -3x$ B) $y = x + 4$
 b) Label the point of intersection.



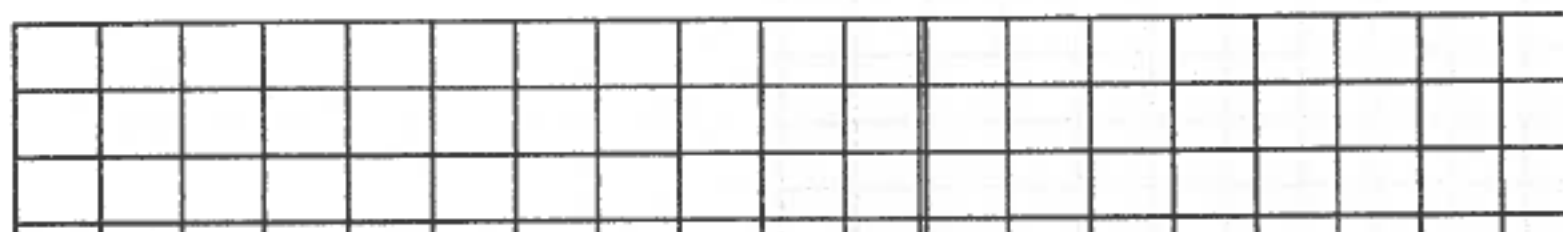
$$y = -3x$$

x	y
-2	
-1	
0	
1	
2	

$$y = x + 4$$

x	y
-2	
-1	
0	
1	
2	

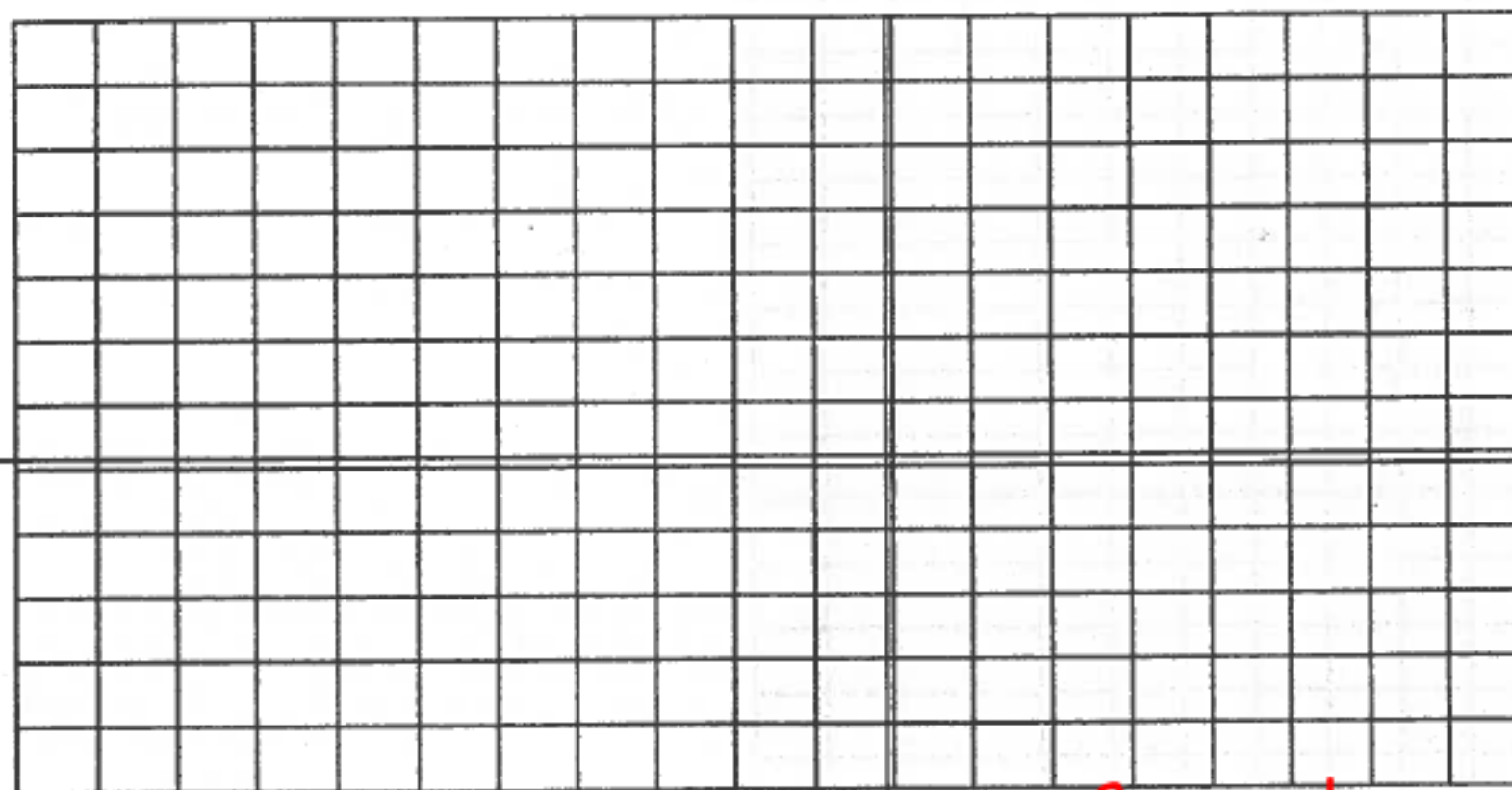
- 5) a) Graph the equation $y = -\frac{1}{4}x + 2$, using an *appropriate* table of values.
 b) Label both the x and y intercepts.



x	y

- 5) a) Graph the equation $y = -\frac{1}{4}x + 2$, using an appropriate table of values.
 b) Label both the x and y intercepts.

$$y = -\frac{1}{4}x + 2$$



x	y
-8	4
-4	
0	
4	
8	

- 6) What is the slope of line segment MN?

What is the x-intercept?

What is the y-intercept?

List two other points that are on this line.

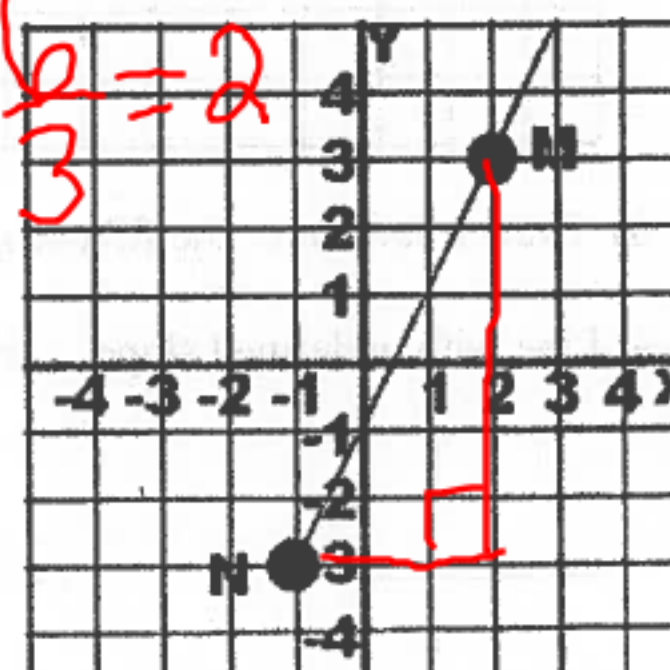
$m = \frac{\text{Rise}}{\text{Run}} = \frac{4}{2} = 2$

$(0.5, 0)$ m

$(0, -1)$

$(1, 1)$

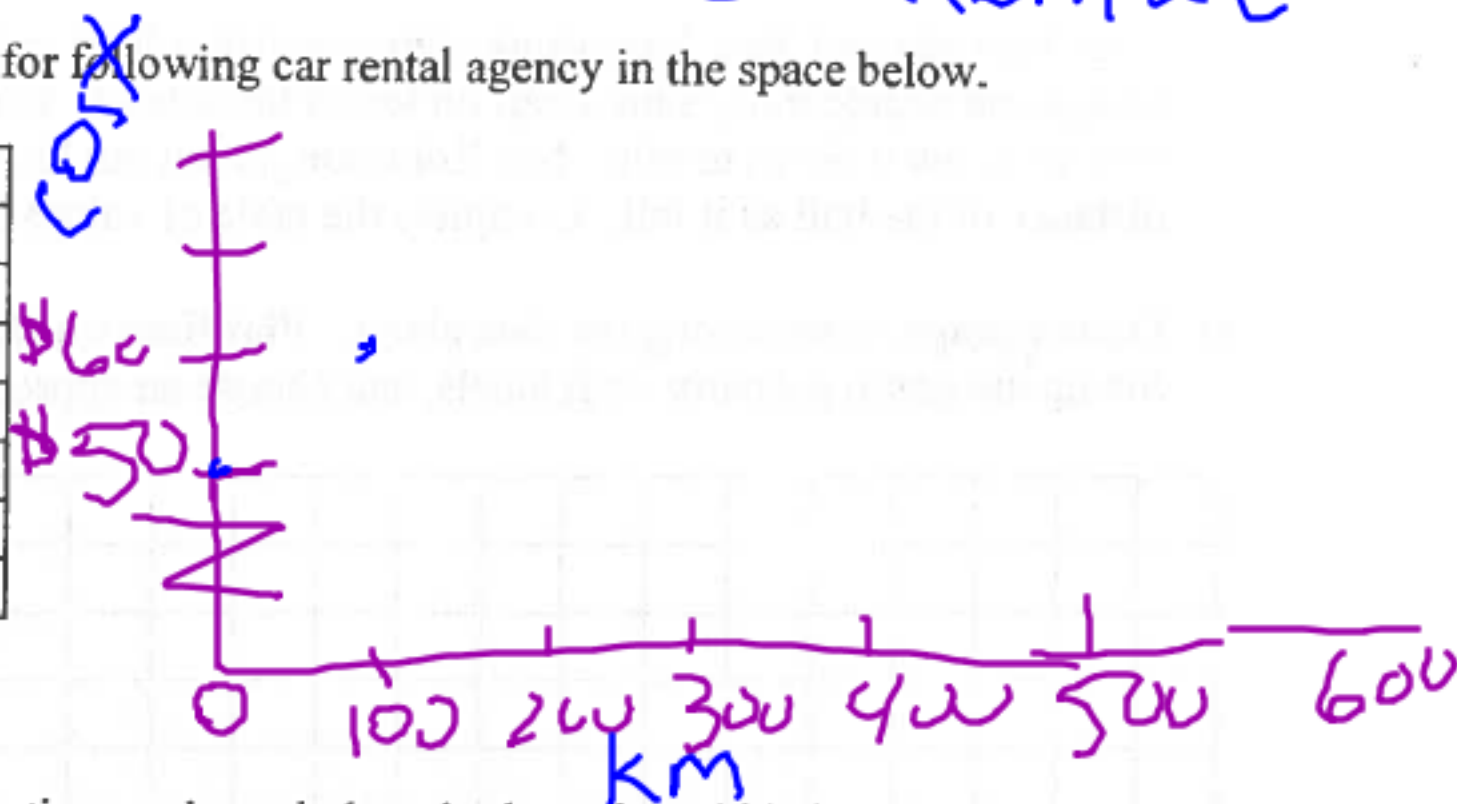
$(0, -1)$



Car Rental

7) Complete the table. Make a graph for following car rental agency in the space below.

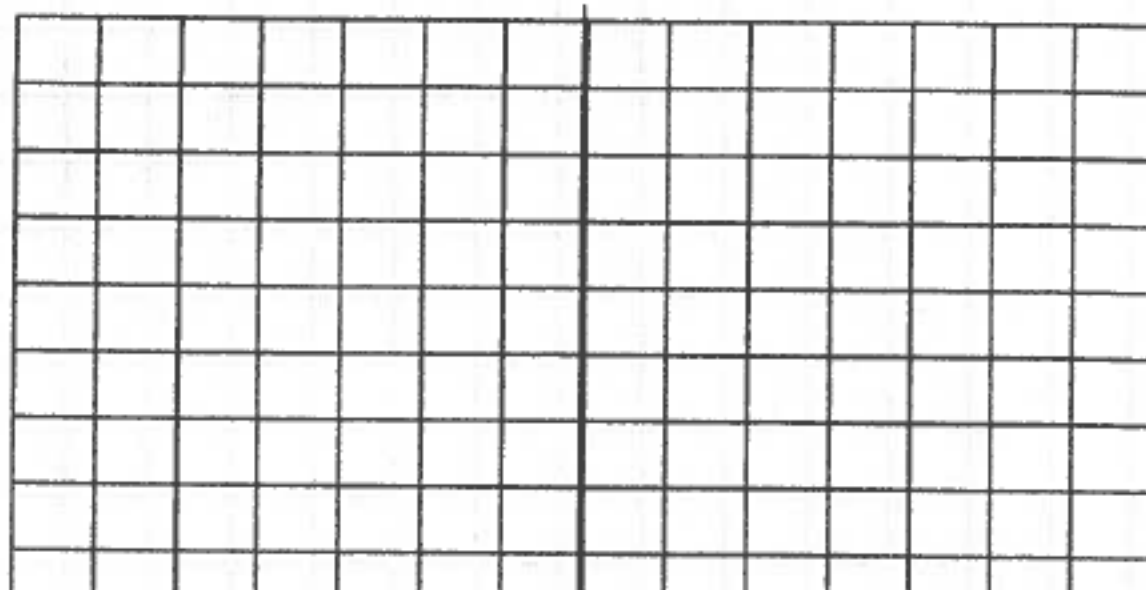
# of km driven	Cost
0	\$50.00
100	\$60.00
200	\$70.00
300	
400	
500	
600	



8) Make a table of values for each equation, and graph them both on the grid below. (A: 5)

a) $y + 6 = 5x$

x	y





100%



Tools

Sign

Comment

8) Make a table of values for each equation, and graph them both on the grid below. (A: 5)

a) $y + 6 = 5x$

$y = 5x - 6$

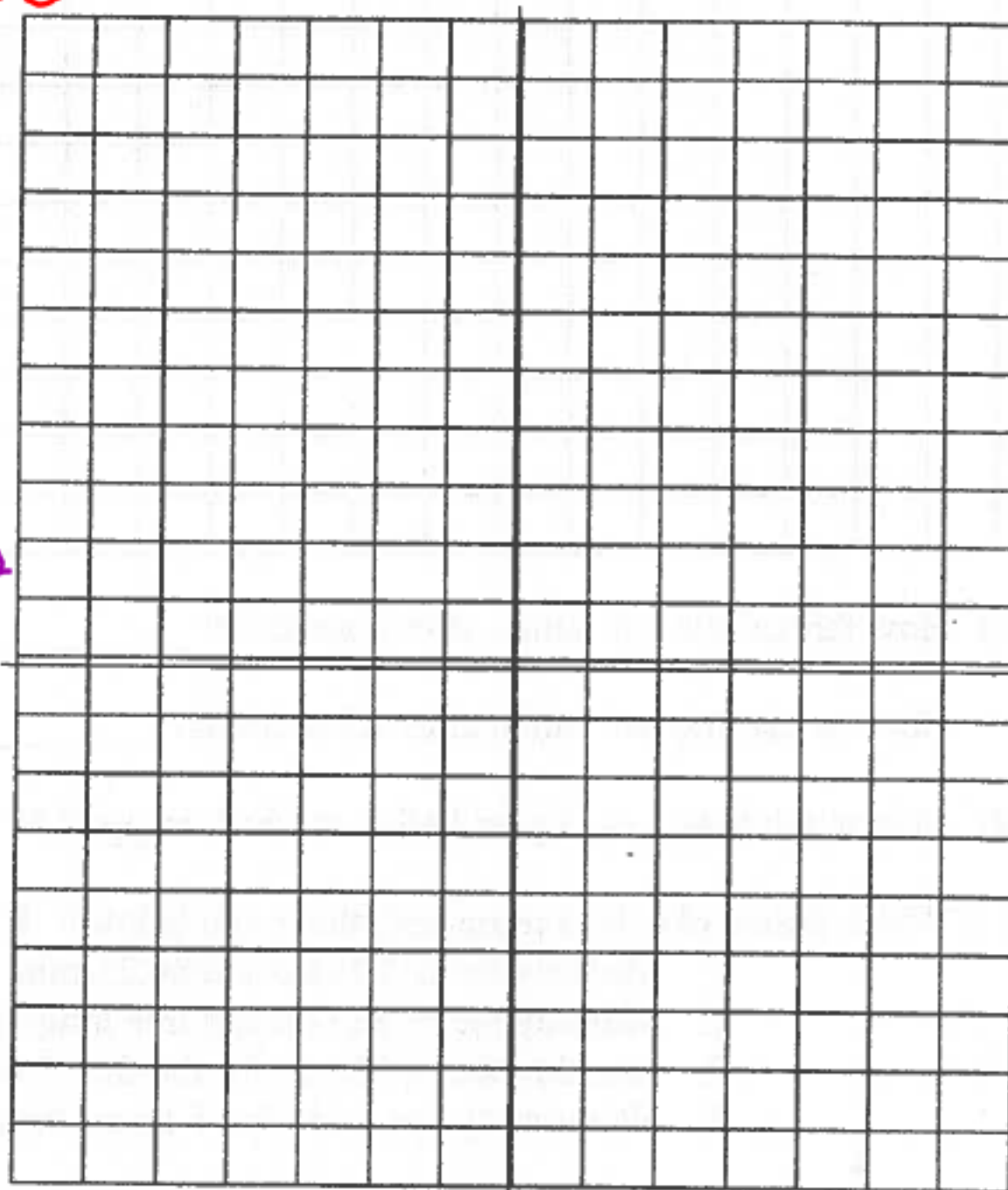
x	y
-2	
-1	
0	
1	
2	

b) $8x + 2y = 6$

$2y = -\frac{8x}{2} + \frac{6}{2}$

x	y

$y = -4x + 3$



Homework: Finish Review Package

textbook: p. 290 1-18

p. 444 1-7



Test next class, May 7th. Be sure to bring your homework notebooks and any hand-outs that you have completed.