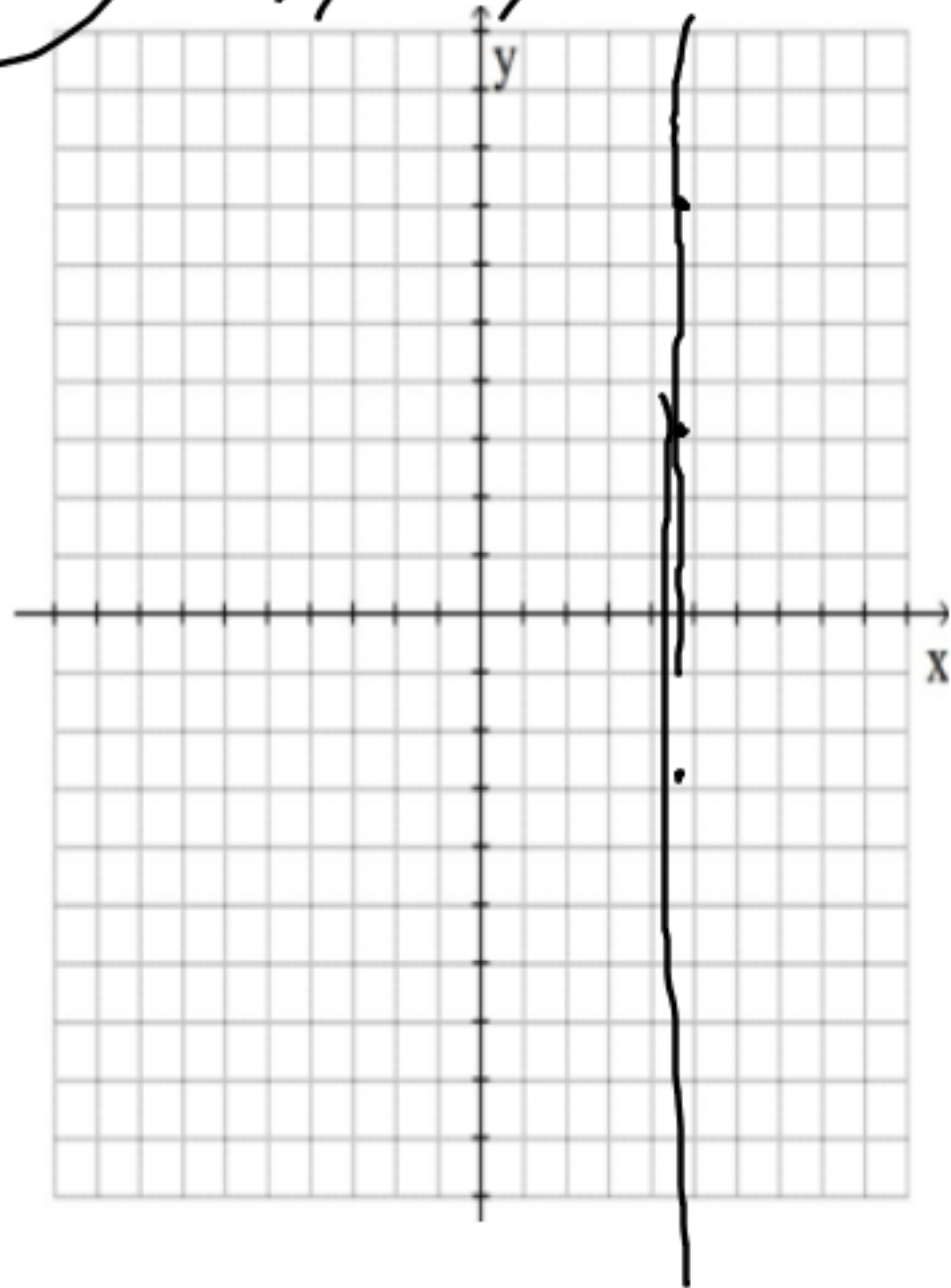


May 14

MORE SCOPE

19) (5, 7)
(5, -3)



$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{-3 - 7}{5 - 5}$$

$$= \frac{-10}{0}$$

m is undefined

21)

$$M = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$(3.4, 1.6)$$

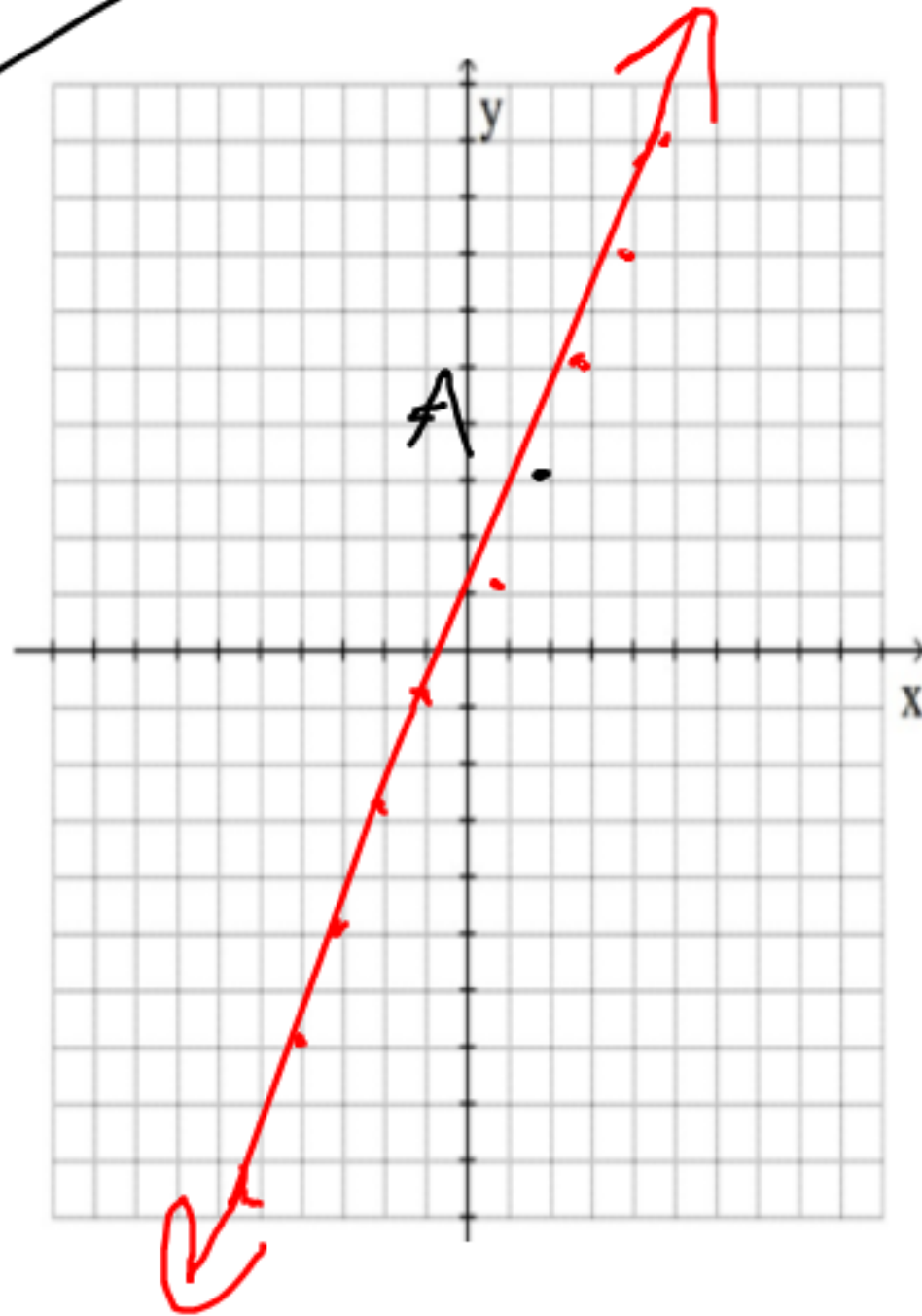
$$(5.4, 2.2)$$

$$= \frac{2.2 - 1.6}{5.4 - 3.4}$$

$$= \frac{0.6 \times 10}{2 \times 10}$$

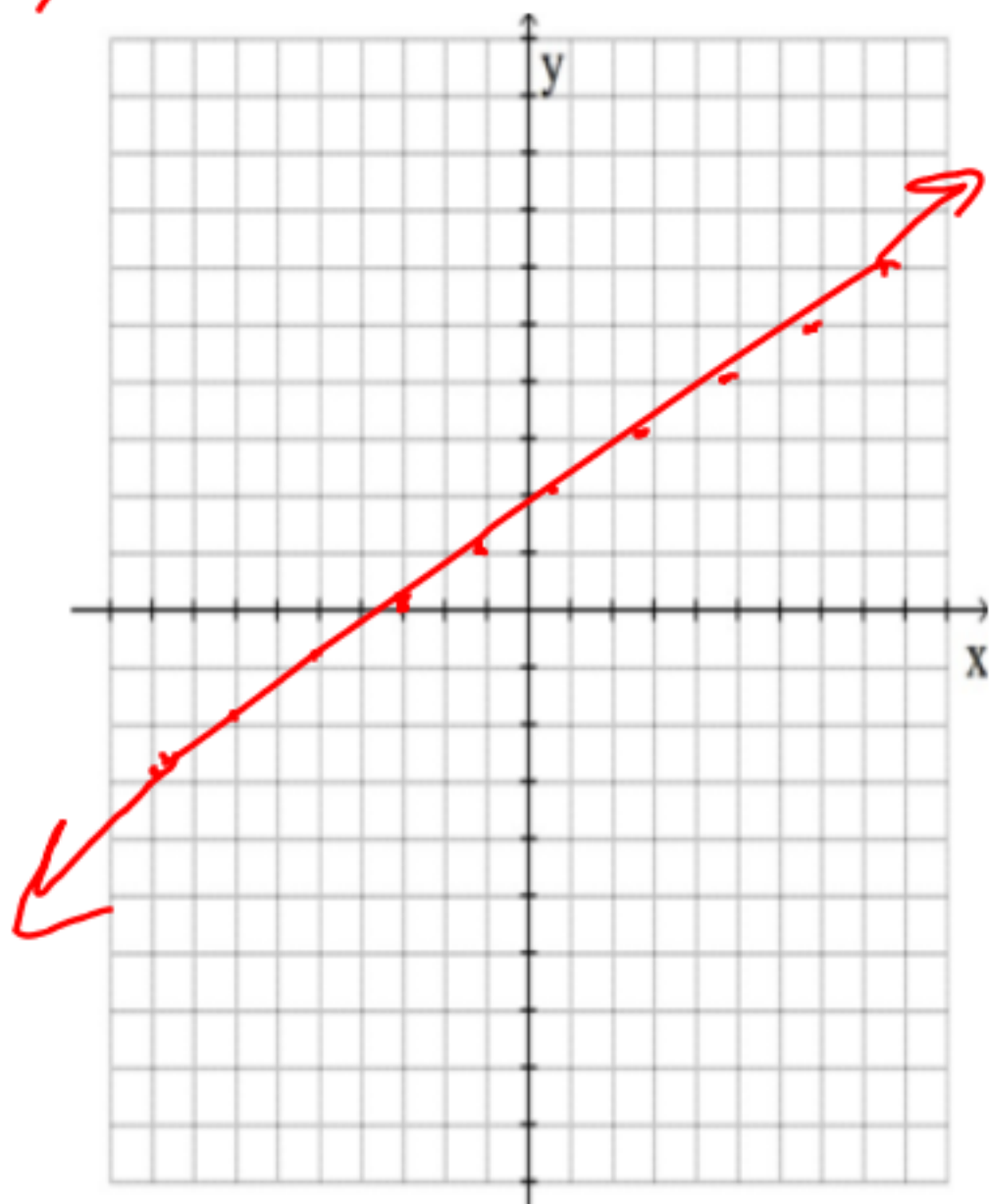
$$= \frac{6}{20}$$
$$= \frac{3}{10}$$

30) $A(2, 3)$

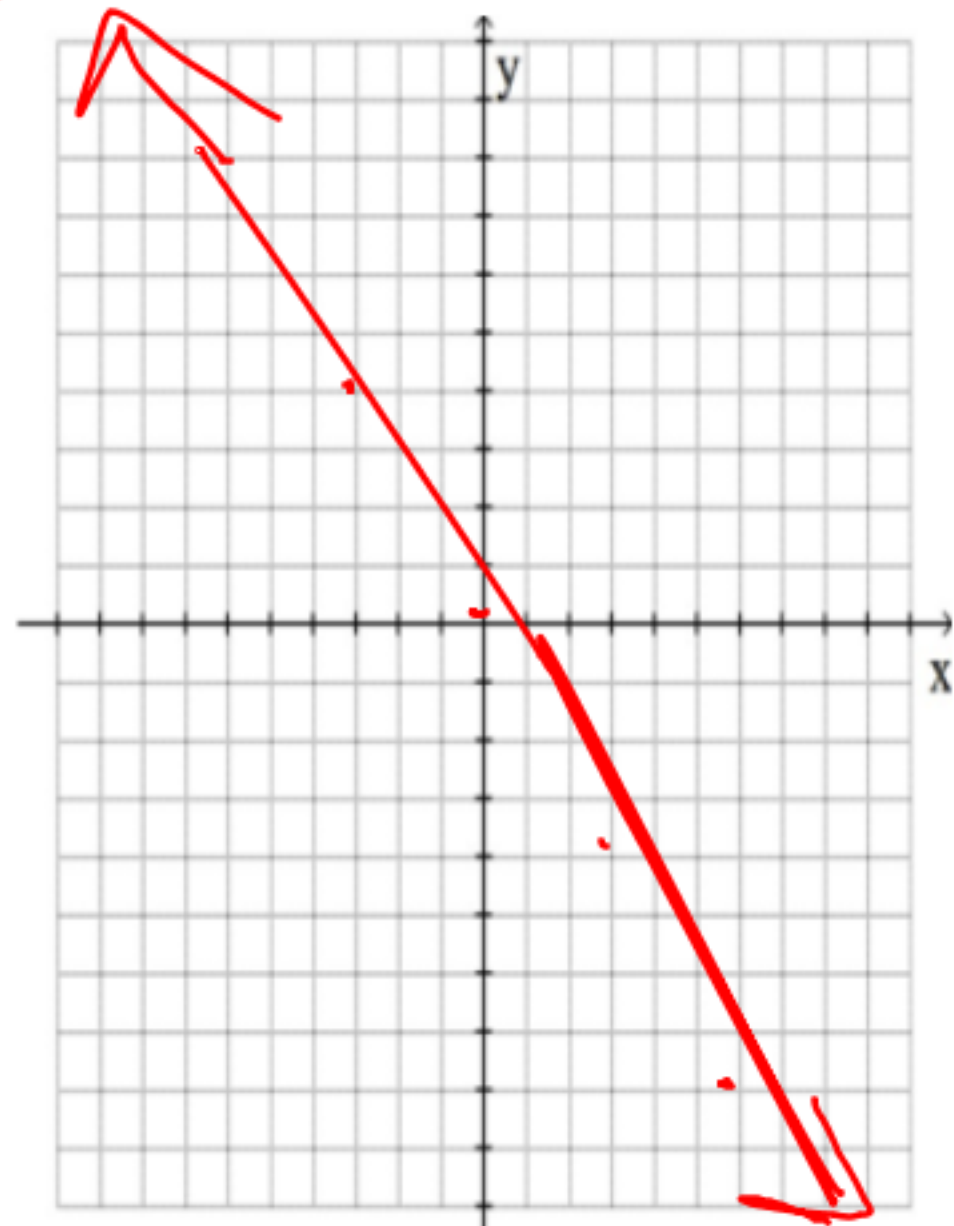


$$m = \underline{2}$$
$$\frac{R_{\text{ISE}}}{R_{\text{UN}}} = \underline{2}$$

33) $(-3, 0)$ $m = \frac{1}{2}$



35)



$$(-3, 4), m = \frac{-4}{3}$$

41 a)

x	y
-2	6
0	3

$$x + y = 4$$

Negative

$$m = \frac{\Delta y}{\Delta x}$$

$$= \frac{1}{2} - \frac{1}{1}$$

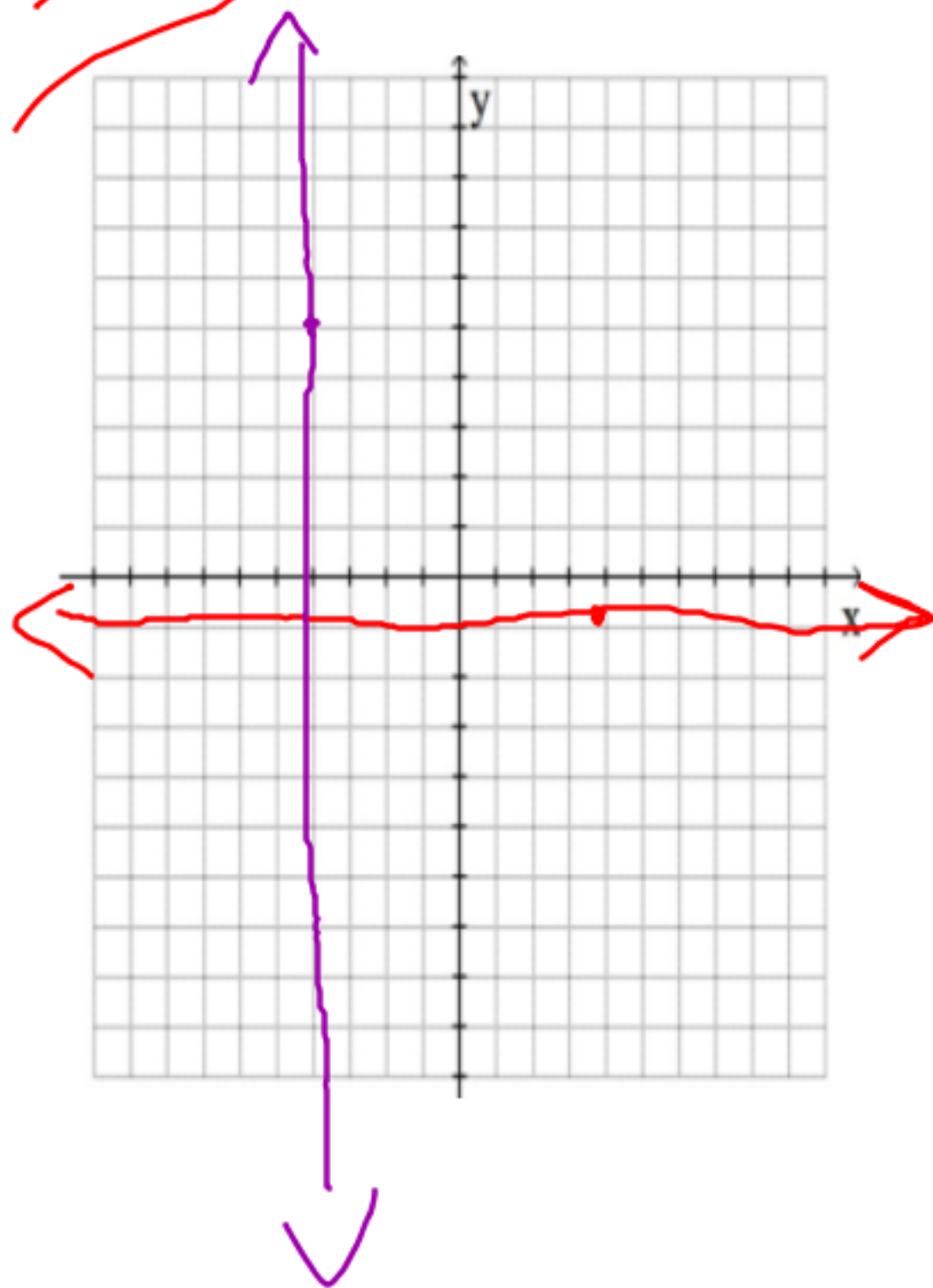
$$\frac{x_2 - x_1}{x_2 - x_1}$$

$$= \frac{3 - 6}{1 - (-2)}$$

1-3
1-2

$$= -1 \frac{1}{3}$$

36)



$$G(4, -1)$$

$$m = 0$$

37)

$$H(-4, 5)$$

$$m = \text{undefined}$$

40)

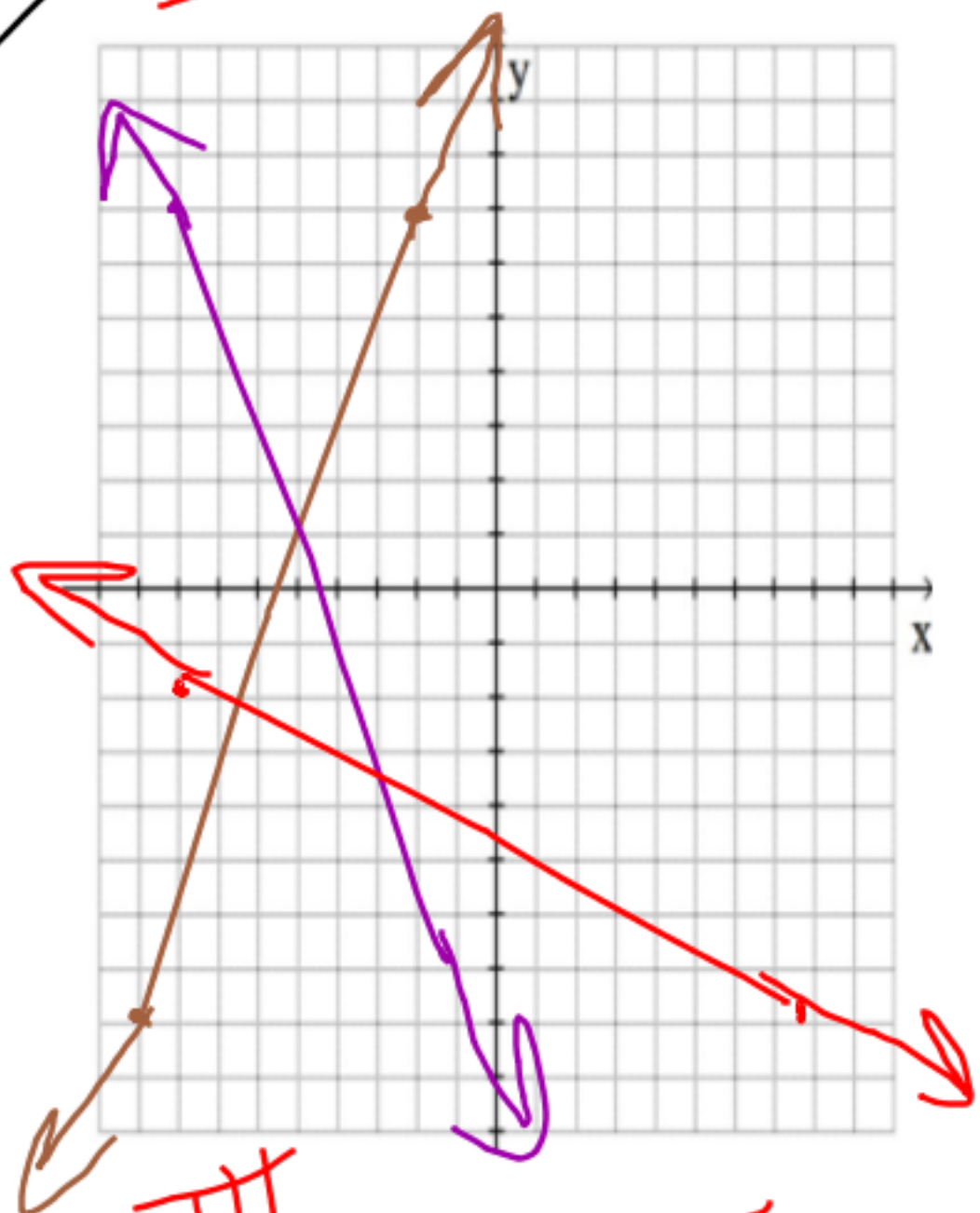
II

I

b

c

d



III

IV

41. b) $y = x + 2$

X	Y
-2	0
-1	1
0	2
1	3
2	4

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{2 - 1}{0 - (-1)}$$

$$= \frac{1}{1}$$

$$= 1$$

d) $y = 5 - 2x$

$$\begin{array}{c|c} x & y \\ \hline -2 & 9 \\ -1 & 7 \\ 0 & 5 \\ 1 & 3 \\ 2 & 1 \end{array}$$

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{1 - 9}{2 - (-2)}$$

$$= \frac{-8}{4}$$

$$= -2$$

$$= -2$$

4/16

x	y
0	2
1	3

$$y = x + 2$$

$$m = \frac{\Delta y}{\Delta x}$$

$$= \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{3 - 2}{1 - 0}$$

$$= \frac{1}{1}$$

4/1 d)

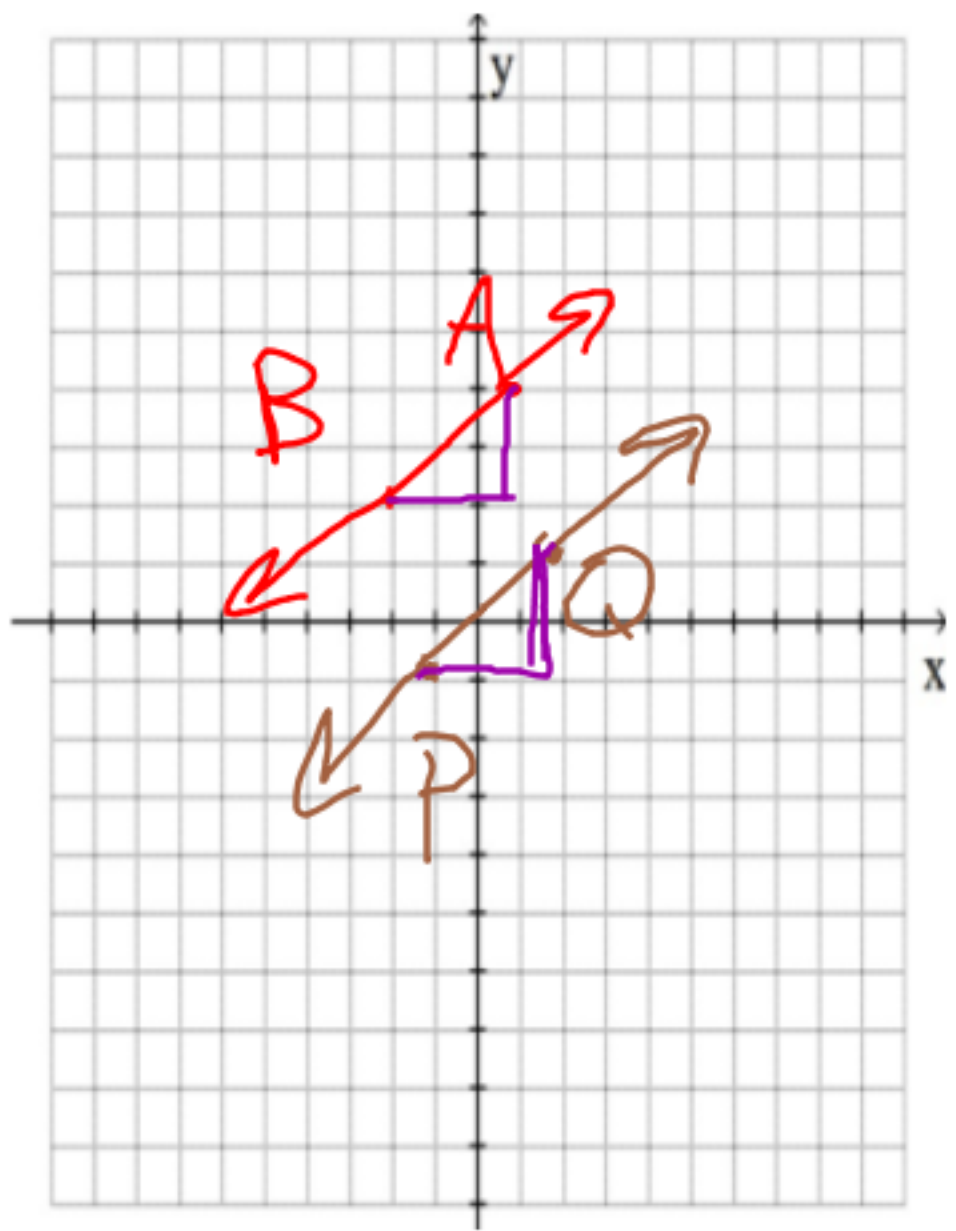
x	y
-2	9
-1	7

$$y = 5 - 2x$$

$$y = 5 - 2(-2)$$

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{7 - 9}{-1 - (-2)} = \frac{-2}{1} = -2$$

49) a ✓ b ✓



A(1, 4)
B(-2, 2)

$$\frac{\text{RISE}}{\text{RUN}} = \frac{2}{3}$$

P(-1, -1)
Q(2, 1)

$$\frac{\text{RISE}}{\text{RUN}} = \frac{2}{3}$$

c) why are they parallel?
BOTH have the
same slope

page 400

HOMEWORK

upto and including 39

(10-39)

