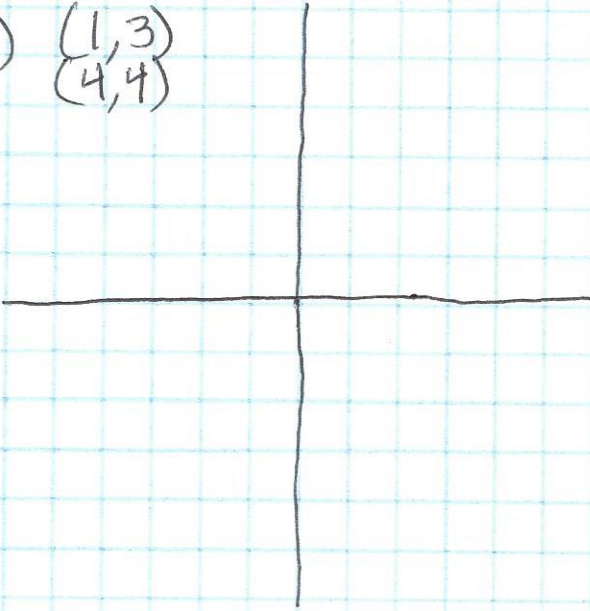


Name _____

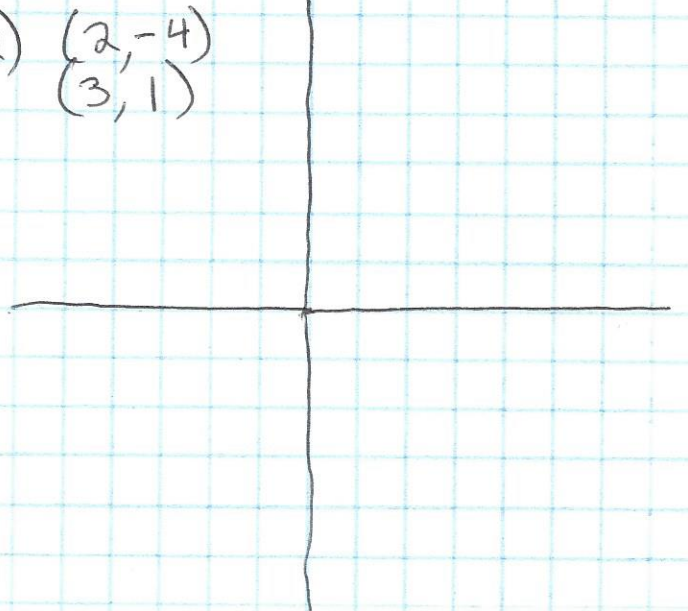
Sect _____

Plot the following points and calculate the slopes:

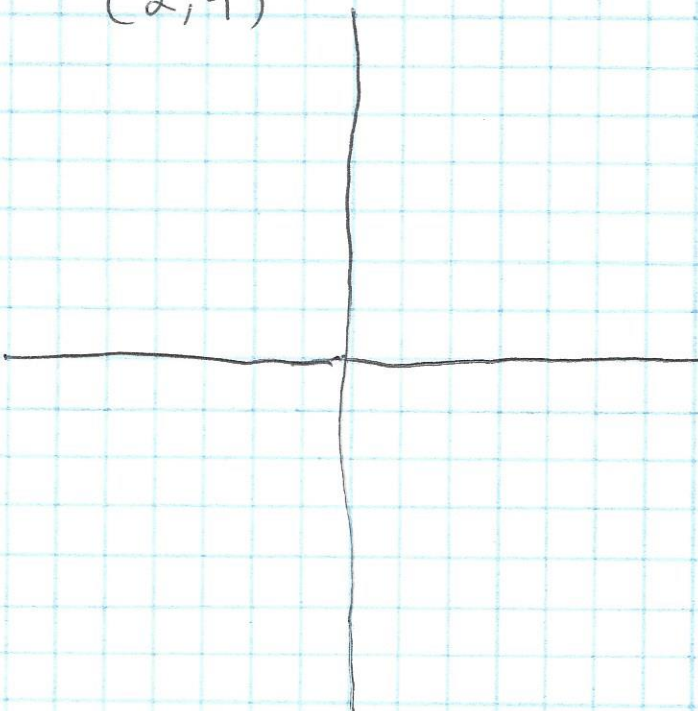
1) $(1, 3)$
 $(4, 4)$



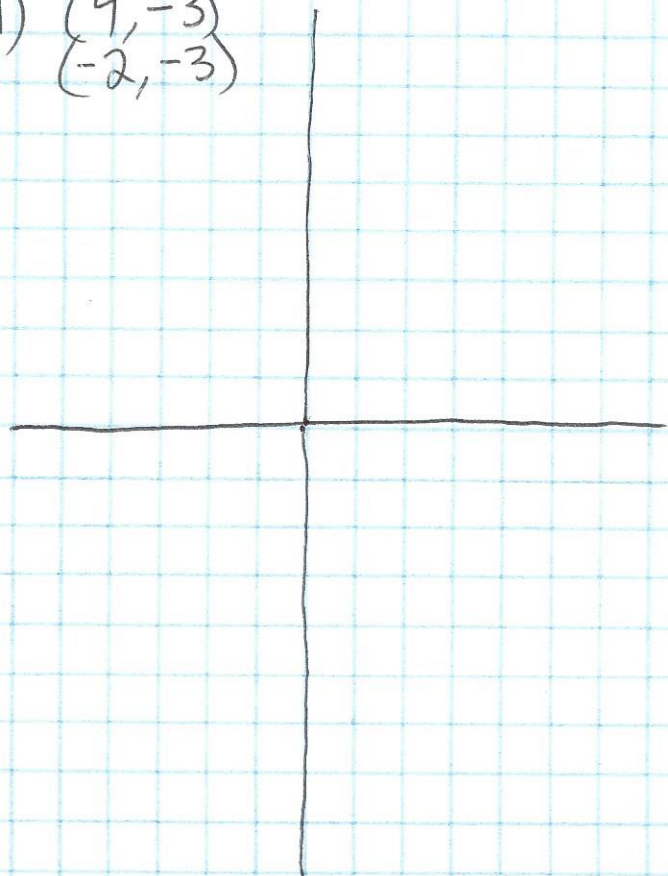
2) $(2, -4)$
 $(3, 1)$



3) $(-2, 0)$
 $(2, 4)$



4) $(4, -3)$
 $(-2, -3)$



$$5) \begin{pmatrix} 0, 3 \\ 2, 7 \end{pmatrix}$$

$$6) \begin{pmatrix} 0, -1 \\ -2, -4 \end{pmatrix}$$

For number 5 & 6 above, you have calculated the slope utilizing the given coordinates and the slope formula.
Now look at the lines - Can you determine the y-intercept for each line? (Hint - think of the definition of y intercept)

$$\# 5 \text{ y-intercept} = \underline{\hspace{2cm}} \quad \# 6 \text{ y-intercept} = \underline{\hspace{2cm}}$$

Now you have figured out both the slope and y-intercept for number 5 & 6. Can you write a linear equation for each?

$$\# 5 \underline{\hspace{4cm}}$$

$$\# 6 \underline{\hspace{4cm}}$$