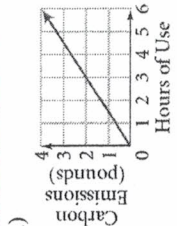


Name: _____

I. Find the rate of change for each given graph. Describes what the ROC means in each problem.

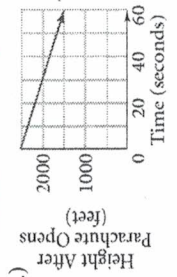
1.)

Time (hours)	Temperature (°F)
1	-2
4	7
7	16
10	25
13	34

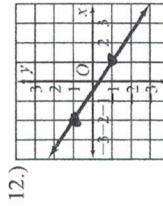
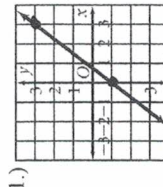
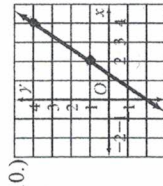
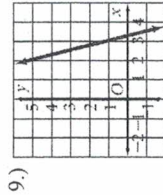
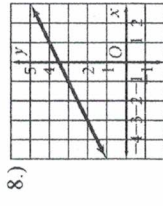
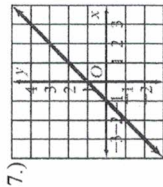
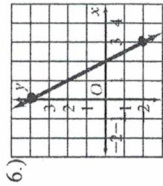
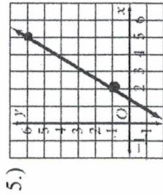


3.)

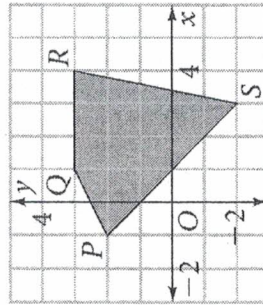
People	Cost (dollars)
2	7.90
3	11.85
4	15.80
5	19.75
6	23.70



II. Find the slope of each given line. Label on the graph how you obtained your answer.



13.) Determine the slope (using a formula) of each segment of the given figure below. SHOW WORK!



- a.) segment PQ → _____
- b.) segment QR → _____
- c.) segment RS → _____
- d.) segment SP → _____

III. Determine the missing x or y value. SHOW YOUR WORK!

- 14.) $(1, 2); (x, 3)$ where $m = \frac{1}{3}$
- 15.) $(-2, y); (4, -1)$ where $m = -\frac{5}{6}$
- 16.) $(x, -2); (3, -1)$ where $m = \phi$
- 17.) $(-4, y); (2, 4y)$ where $m = 6$

IV. Complete the table about the given two points. Then graph and describe each line.

Given Two Points	Work to find Slope m	Graph of each Line	Description(s) of Line
18.) $(0, 2)$ and $(4, 6)$			
19.) $(5, 2)$ and $(8, -4)$			
20.) $(-3, -2)$ and $(4, -2)$			
21.) $(-2, -5)$ and $(4, 5)$			
22.) $(4, 2)$ and $(-4, 4)$			
23.) $(-5, -2)$ and $(-5, 3)$			