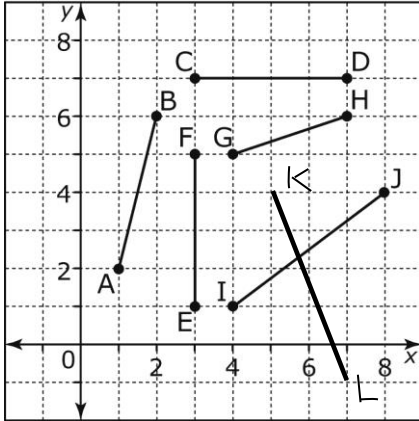


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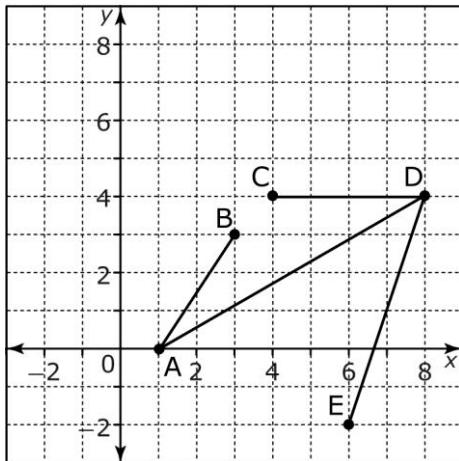
Date: _____

Section 6.3 Extra

1. a) Determine the slope of each line segment.



2. Determine the slope of each line segment.



a) AB

b) AD

c) CD

d) DE

Name: _____

Date: _____

3. Examine the table of values.

x	y
0	2
1	5
2	8
3	11
4	14

- a)** What is the change in the x -values from one row to the next?
- b)** What is the change in the y -values from one row to the next?
- c)** What is the slope of the line that would connect these points on a graph?

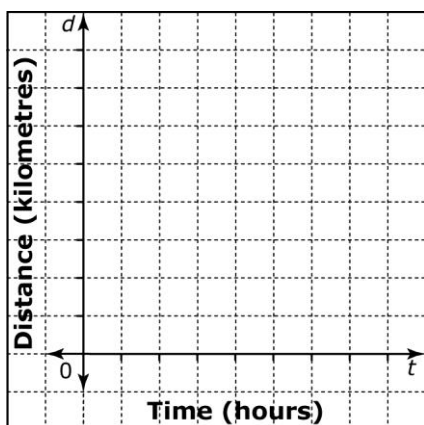
Name: _____

Date: _____

4. The average speed of a bus going from Grand Falls Windsor to St. John's is 80 km/h. The table shows the distance travelled during each hour of the ride.

Time (h)	Distance (km)
1	80
2	160
3	240
4	320
5	400

- a) Graph the data. Connect the points with a straight line.



- b) What is the slope of the line?

- c) How is the slope related to the rate of change in distance?

Name: _____

Date: _____

5. Sophie earns \$26 for 2 h of gardening.

a) Complete the table. To get the rate of change: Take your answer and subtract the previous answer. I did a couple for you.

Time Worked (h)	Amount Earned (\$)	Rate of Change
0	0	
1	13	$13 - 0 = 13$
2	26	$26 - 13 = 13$
3		
4		
5		

b) What is the rate of change in Sophie's earnings? Explain what this means.

c) Suppose Sophie gets an increase of \$4 for 2 h. What is her new rate of change in earnings?

d) Suppose you graphed both of Sophie's earnings on one grid. What would be similar about the graphs? Explain.

Name: _____

Date: _____

6. Determine the slope of the line in a graph of the data.

x	y
0	2
3	7
6	12
9	17
12	22

7. Does a graph of the data in each table show a constant slope? Explain. Hint: The difference between each y value would have to be the same and the difference between each x value would have to be the same as well.

Table A

x	y
0	1
1	3
2	5
3	7
4	9

Table B

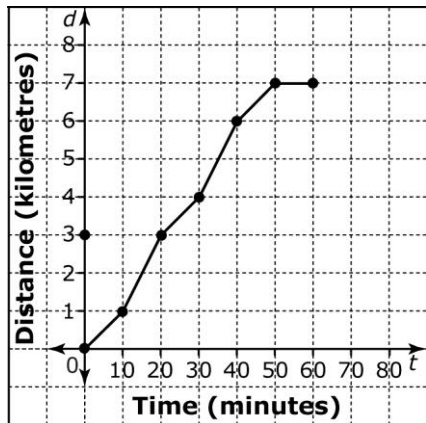
x	y
0	1
1	3
2	6
3	10
4	15

8. Water Street Tea pays \$48 for 4 hours of work and pays \$72 for 6 hours of work. Determine the rate of change in pay.

Name: _____

Date: _____

9. Paul runs once around Canoe Lake. The results of his run are shown in the graph. Try this one with the following piece of info. If he walks, the slope would be different than if he ran. As well, if he stopped for a rest, the time would change, but the distance would not.



- a) Identify the intervals on the graph that have constant slope. To do this one, label your dots from the bottom up to the top with the letters A to G.
- b) Determine the slope of each of these intervals.