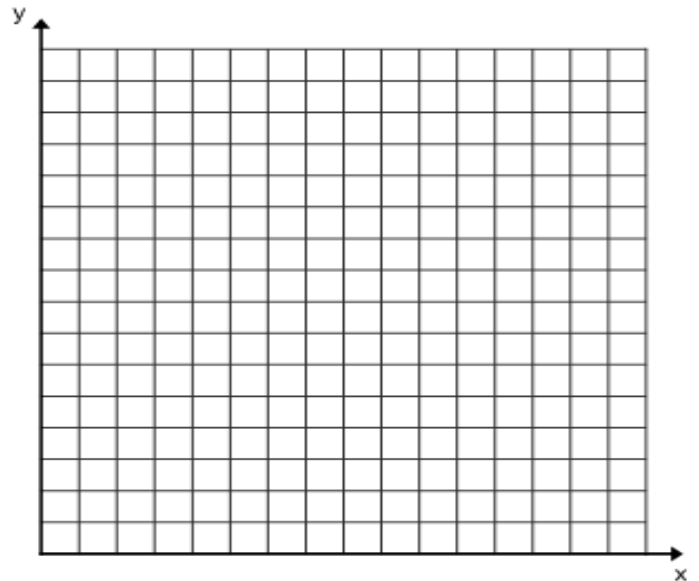


Rate of change _____

Ex.1 Danika drove at a constant speed from Peterborough to Ottawa.
The table shows the distance she travelled over time.

Time (h)	Distance (km)	Rate of Change
0.0	0	
0.5	42	
1.0	84	
1.5	126	
2.0	168	
2.5	210	
3.0	252	
3.5	294	



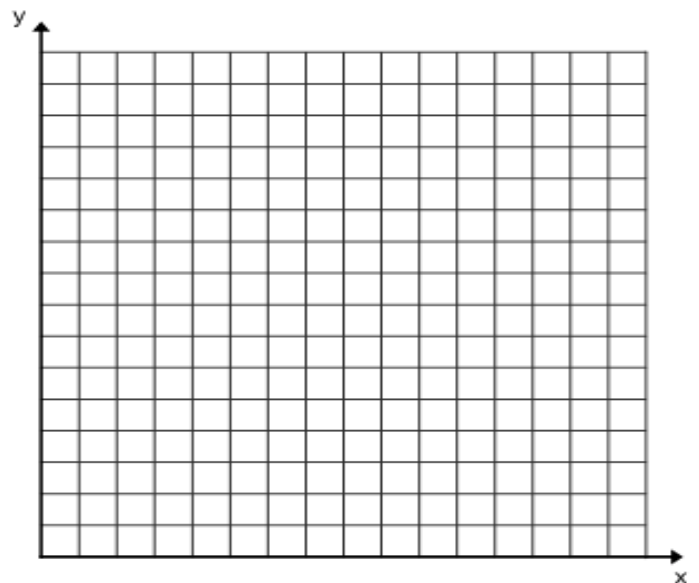
- Draw a graph of the data. Describe the shape of the graph.
- Does the rate of change appear to be increasing, constant, or decreasing?
- Determine the rate of change. Include appropriate units.

Ex. 2 Linear Regression

The table shows how the mass of a liquid is related to its volume.

- Use a desmos to graph the data
- Use desmos to determine the equation of the line of best fit.

Volume (mL)	Mass (g)
0	90
25	110
50	129
75	148
100	168
125	188
150	207



Ex.3 Complete Pg 277 # 6 using desmos

Practice: Pg 278 # 8, 9, 11 Pg. 275 # 1-5, 7