

Name: _____

Scientific Graphing Exercise

Plot each of the following sets of data on a separate sheet of graph paper.

1.

X	Y
107	168.4
120	149.0
136	126.7
150	109.5
161	98.9
183	67.7
191	57.4
212	27.7

2.

X	Y
<i>Wavelength (λ)</i>	<i>Absorbance</i>
400	0.043
450	0.047
500	0.352
520	0.491
530	0.510
540	0.491
550	0.421
560	0.324
570	0.231
580	0.137
600	0.056
650	0.032
700	0.014

3.

X	Y
<i>Concentration (M)</i>	<i>Absorbance</i>
0	0
8.63×10^{-5}	0.185
1.73×10^{-4}	0.369
2.59×10^{-4}	0.550
8.63×10^{-4}	1.85

On the back of each graph, list any difficulties you had in preparing the graph.

After you have finished your graphs, exchange them with your neighbor and critique the graphs that he or she has drawn.

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Difficulties:

Reviewer: _____

Comments: