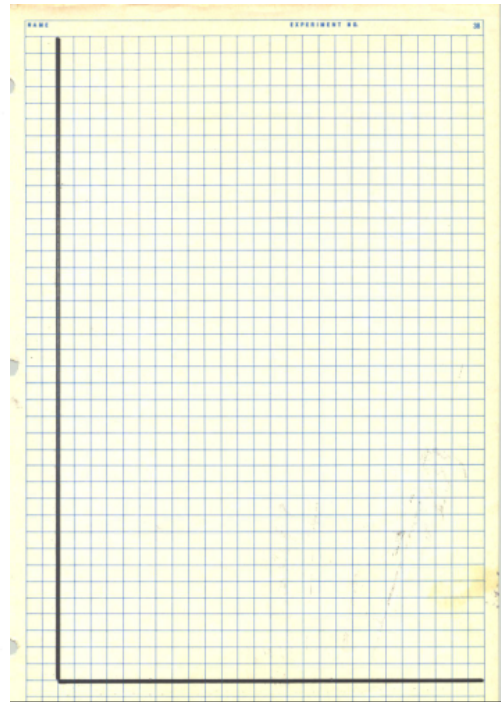


constant velocity

<i>data</i>	<i>dist (mm)</i>	<i>time</i>
0	0	0
1	3.6 mm	.072 s
2	7.1 mm	.033 s
3	10.7 mm	.050 s
4	14.4 mm	.067 s
5	17.8 mm	.083 s
6	21.3 mm	.100 s
7	25.1 mm	.117 s
8	28.5 mm	.133 s
9	32.2 mm	.150 s
10	36.0 mm	.167 s
11	39.5 mm	.183 s



Sep 7 - 9:21 AM

1) ID variables

*time is independent*  
*distance is dependent*

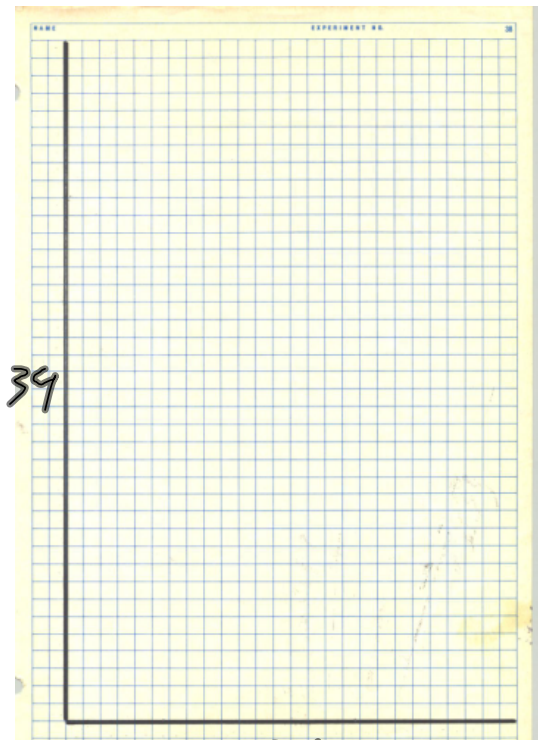
2) Determine the scale

range: x: 0 - 0.183 s  
y: 0 - 39.5 mm

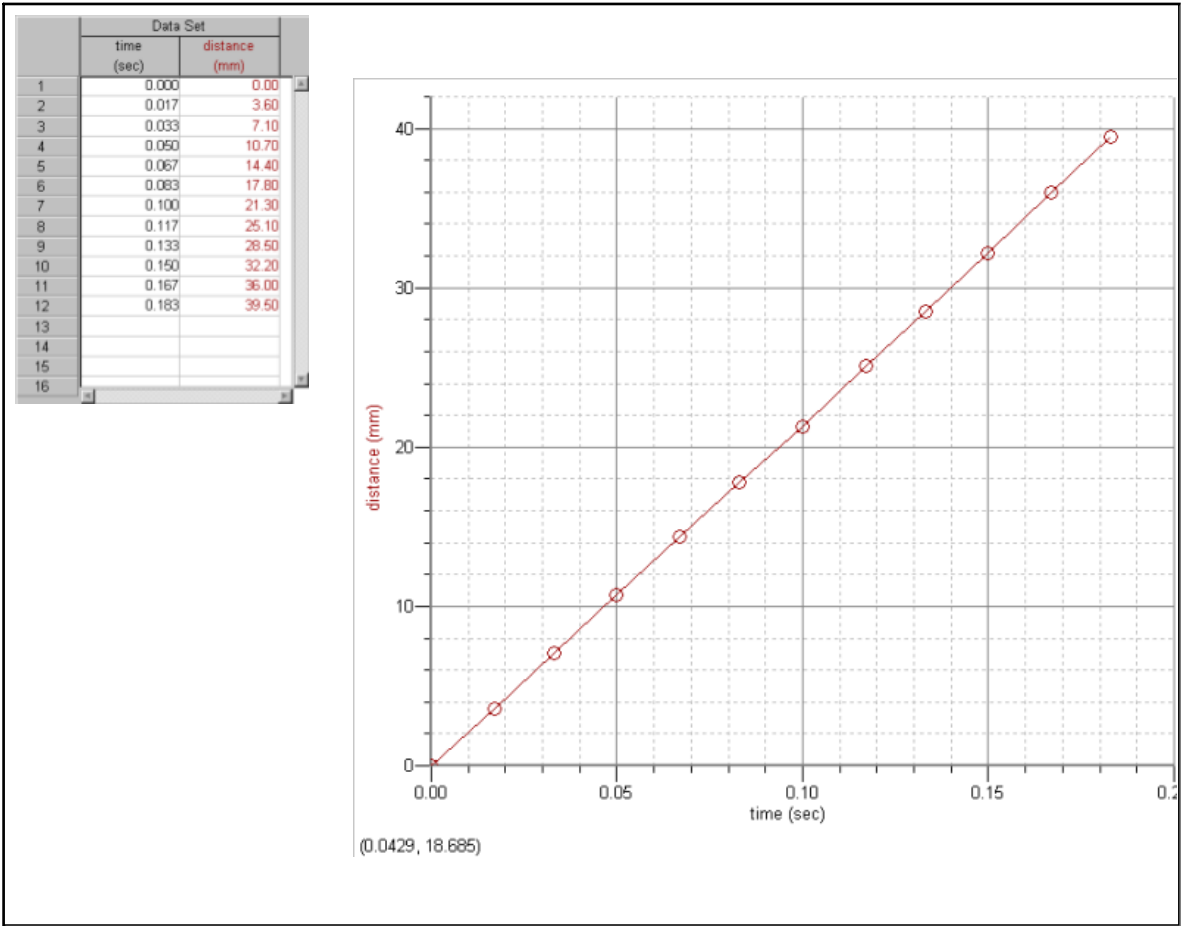
# of boxes  $\overline{\text{range}}$

.007  $\sim$  .01 s/box  
"x" 26  $\overline{0.183 \text{ s}}$

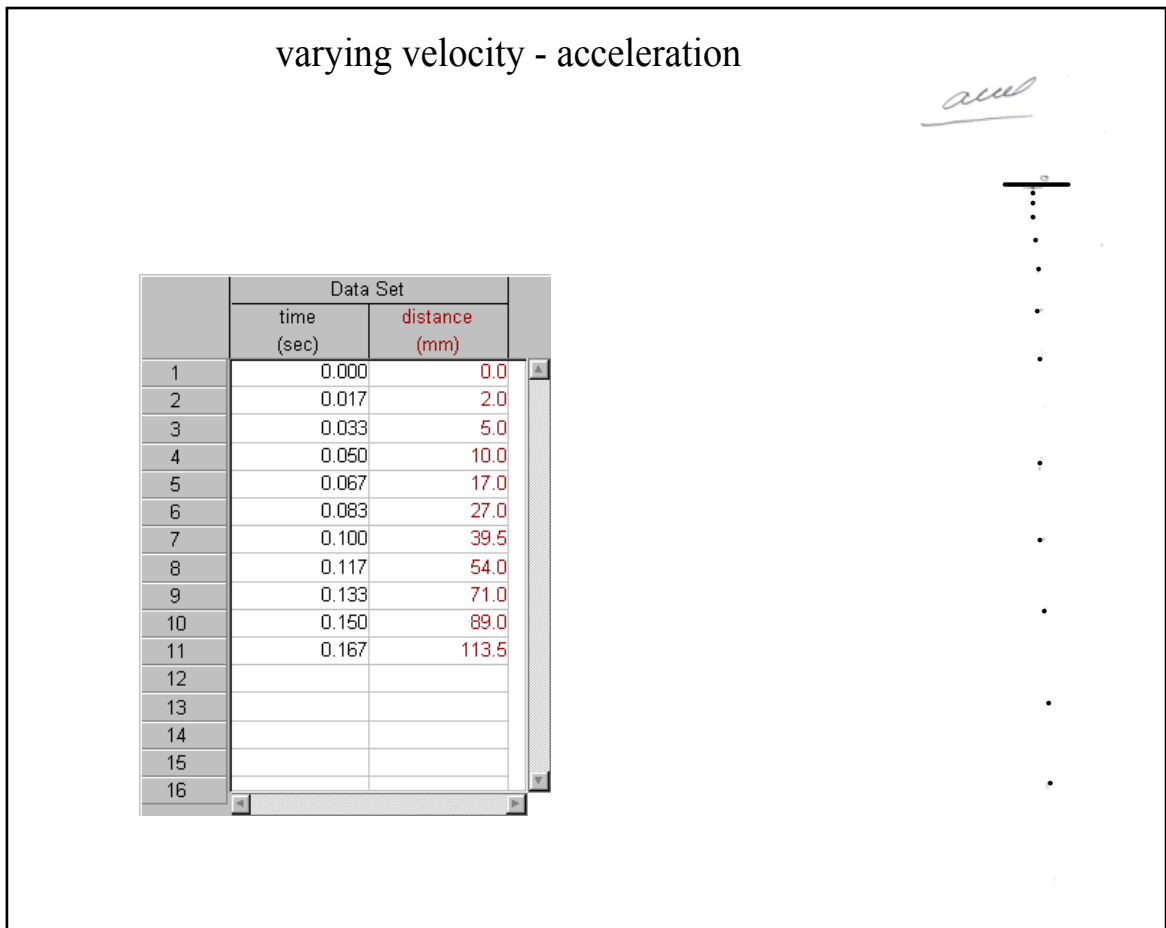
1.01  $\sim$  1 mm/box  
"y" 39  $\overline{39.5 \text{ mm}}$



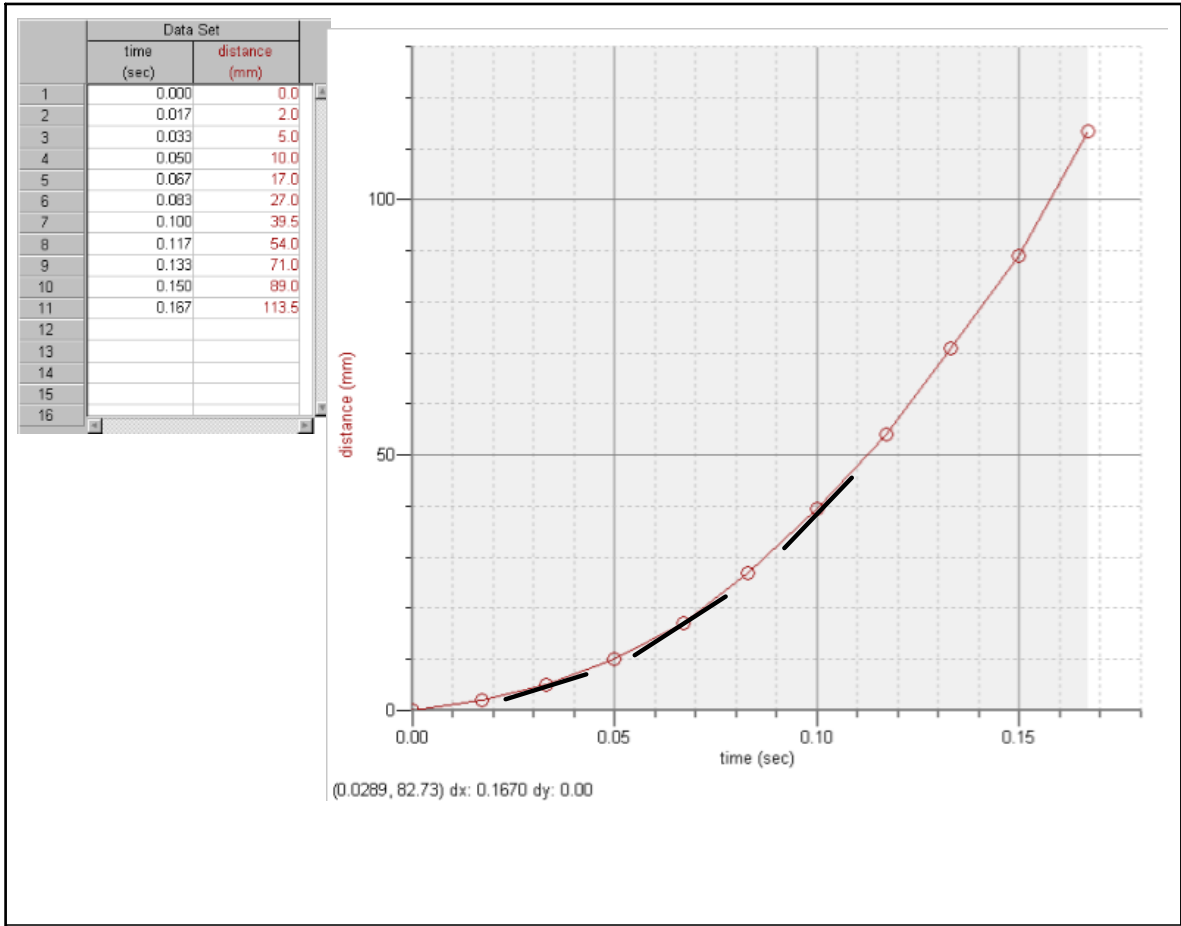
Sep 7 - 9:19 AM



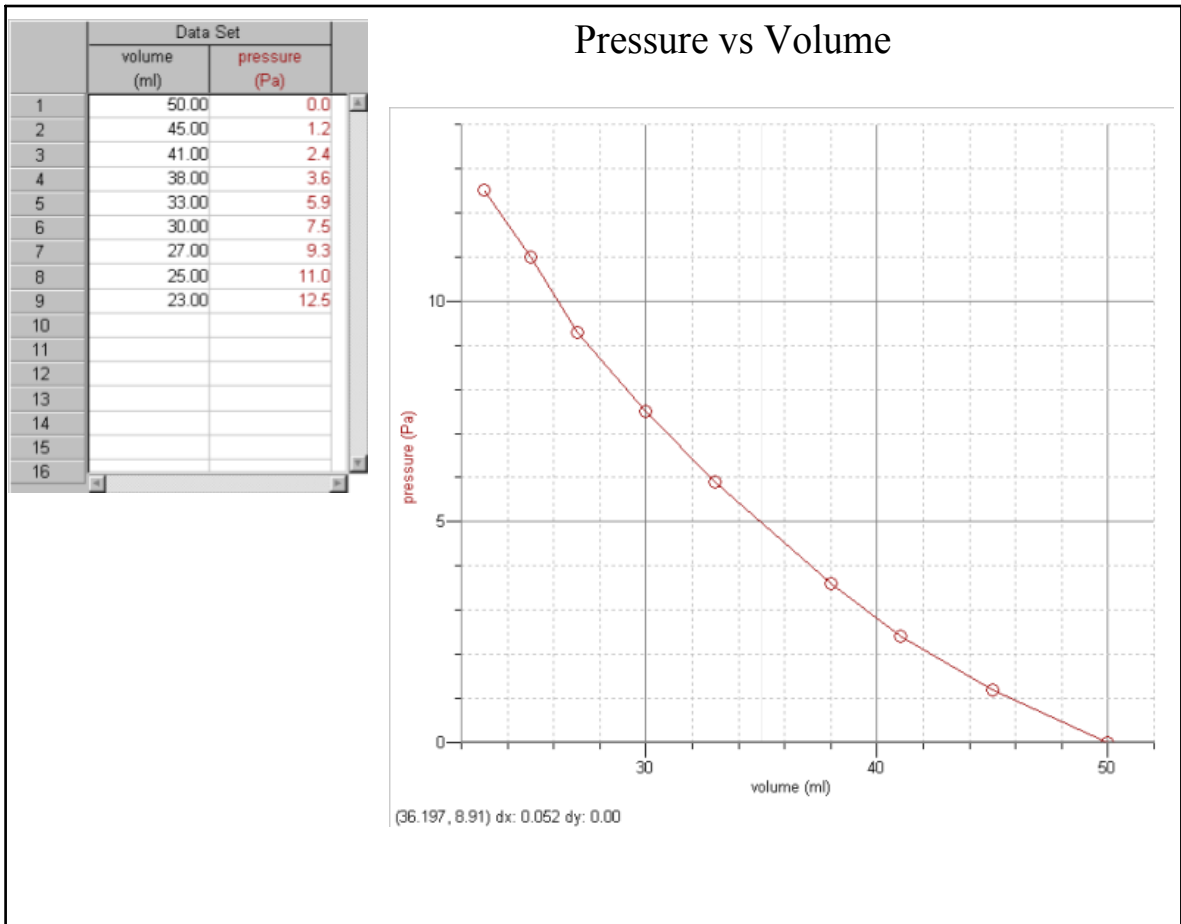
Sep 10-7:22 AM



Sep 10-10:00 AM



Sep 10-10:06 AM



Sep 10-10:16 AM