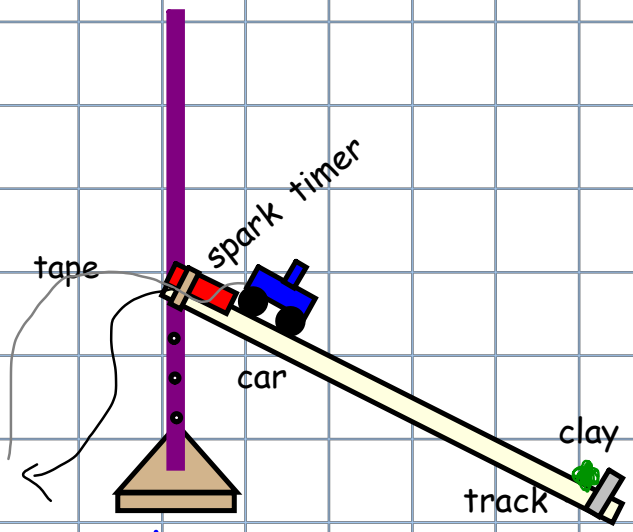
4/6/17 3 Graph Car Down Ramp Lab

Question: What was interesting, what surprised you, and what is one question you still have about the Car on the Ramp?

1) Question & TOC
2) Notes on Graph
3) Create Graph
4) Reflection



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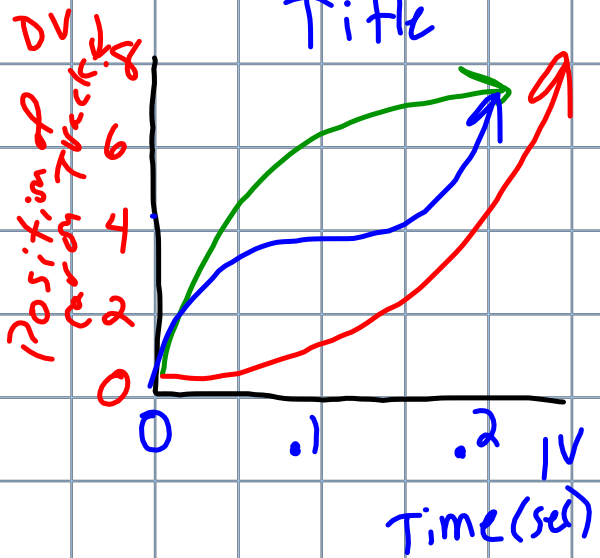


Predict

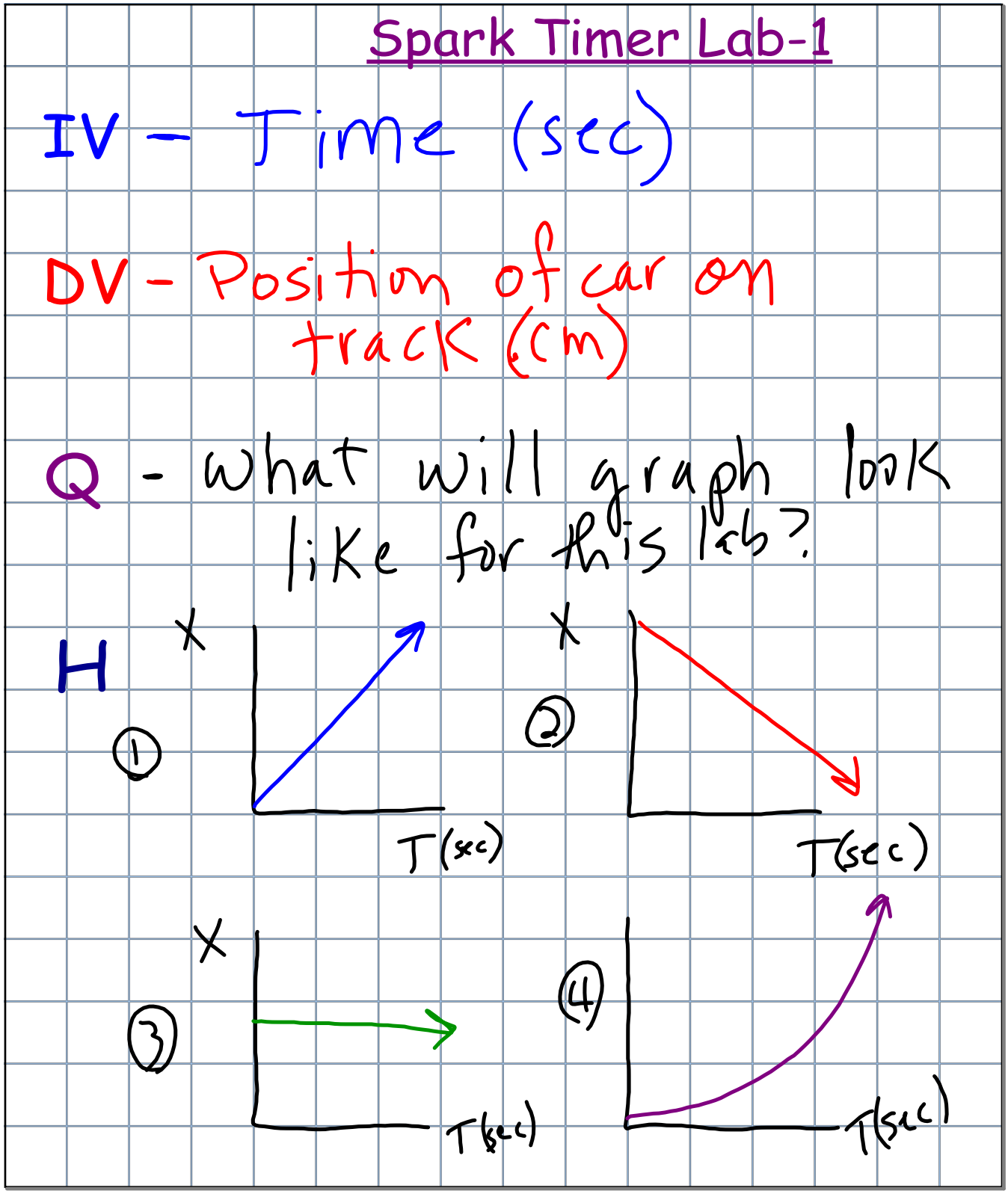
Spark Timer Lab-1

IV - Time (sec)

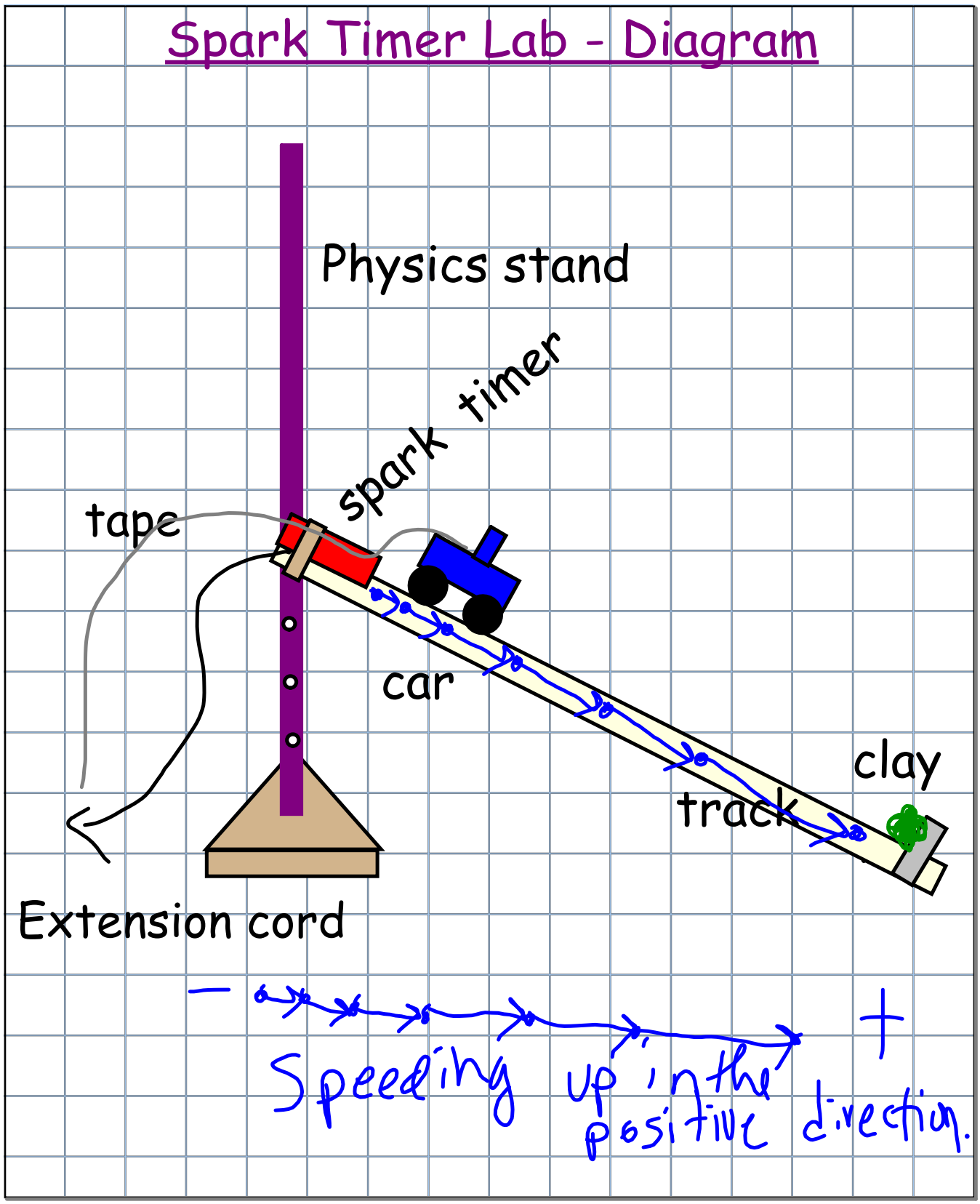
DV - Position of car on track (cm)

Q - what will graph look like for this lab?

H



Spark Timer Lab - Diagram



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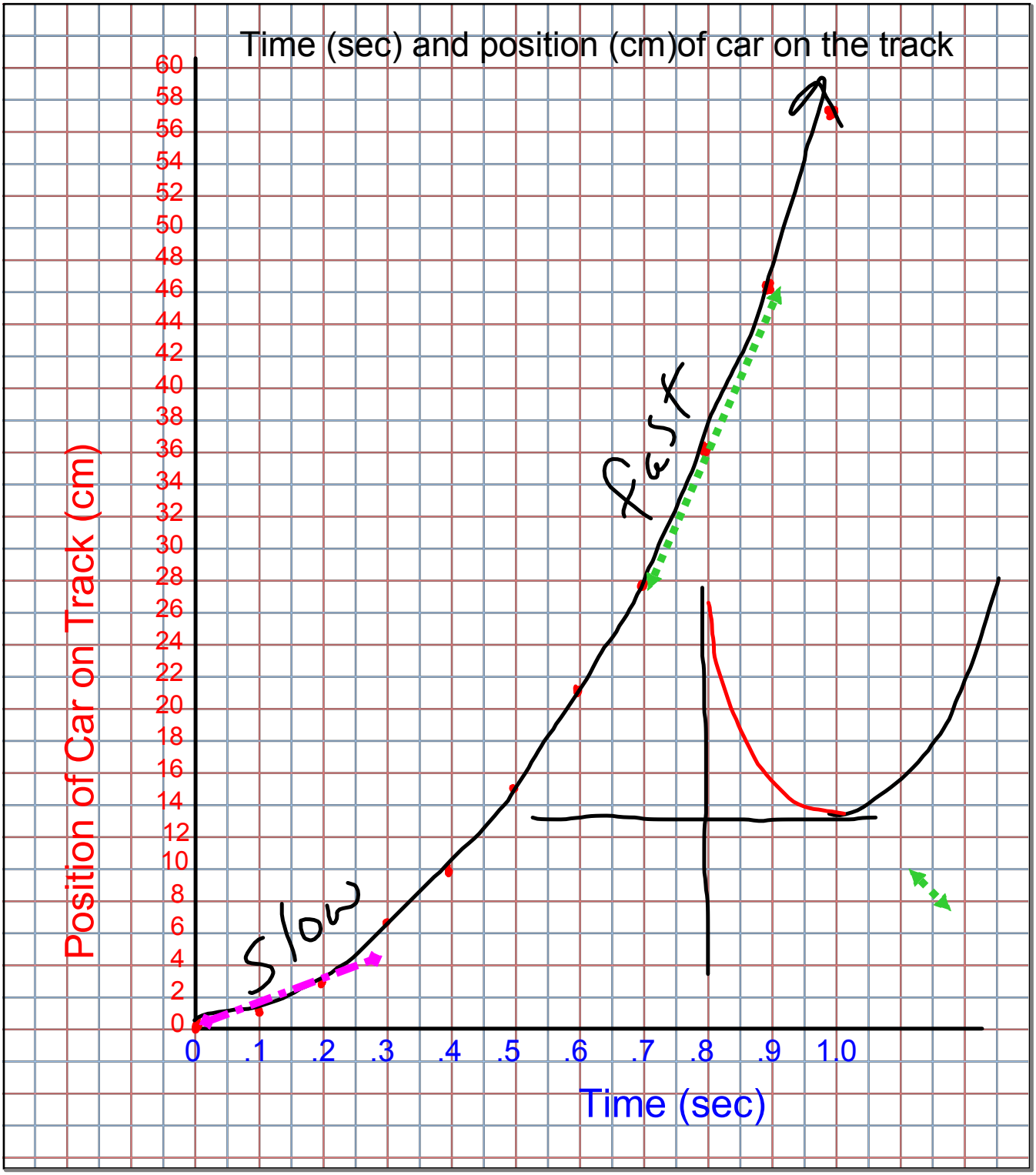
Time (sec) and position (cm)of car on the track
Position of Car on Track (cm)
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
0
.1
.2
.3
.4
.5
.6
.7
.8
.9
1.0
Time (sec)
Slow
Fast

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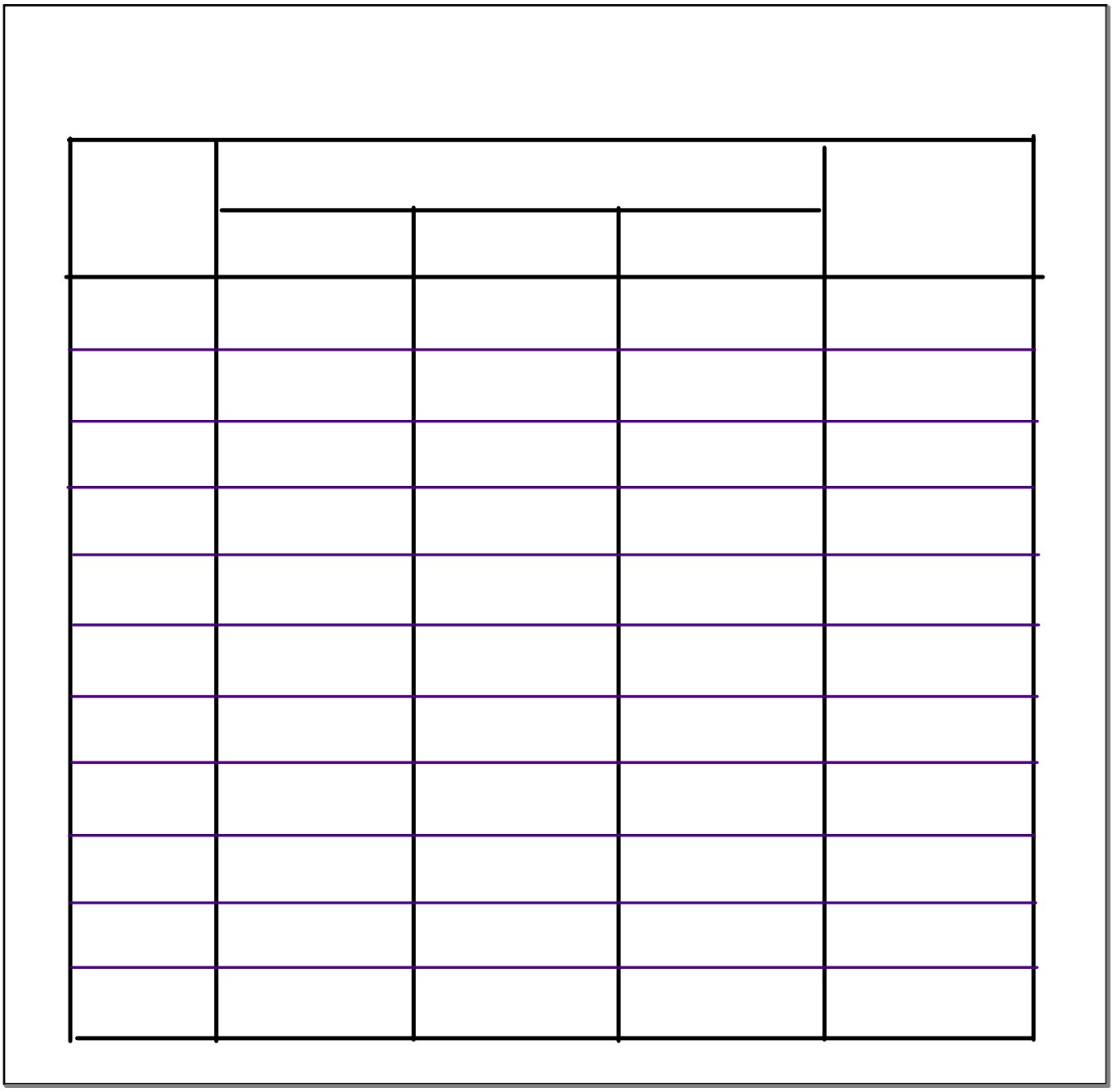
Spark Timer Data Table

The affect of time (sec) on position of the car (cm)

Time (sec) (IV)	position of car on track (cm (DV)			Average
	Trial 1	Trial 2	Trial 3	
0 sec	0cm	0cm	0cm	0 cm
.1 sec	.9cm	1.0cm	1.1cm	.95 cm
.2 sec	2.7cm	2.8cm	2.5cm	2.75cm
.3 sec	5.9cm	6.7cm	5.0cm	6.3 cm
.4 sec	9.5cm	10.3cm	8.3cm	9.9 cm
.5 sec	14.4cm	15.0cm	12.5cm	14.7cm
.6 sec	20.5cm	20.8cm	17.6cm	20.65cm
.7 sec	27.9cm	27.7cm	23.8cm	27.8cm
.8 sec	36.5cm	35.8cm	31.2cm	36.15cm
.9 sec	46.6cm	45.3cm	39.7cm	45.95cm
1.0 sec	57.7cm	56.0cm	49.6cm	36.85cm



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