

SAINT JOSEPH'S PREPARATORY SCHOOL PHYSICS LAB EXERCISE

NAME: _____ DATE: _____ PERIODS: _____

COLLABORATORS: _____

DATE REPORT IS DUE: _____

Record the total number of dots for the weight and pulley:

and the number of dots per interval:

Record the total number of dots for the rubber band:

and the number of dots per interval:

	Time (s)	Time squared	Distance Weight & Pulley		Time (s)	Time squared	Distance Rubber Band(s)
0	0.00	0			0.00	0	0.00
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

For each trial:

- Plot a graph of x vs t .
- Make a guess about the shape of the curve.
- Make a plot of x vs t^2 .
- Make a statement regarding the shape of the second graph.