PHYSICS 500 LAB

Directions: Write a quickie lab report, each person must include their own graphs, conclusion and summary—Due tomorrow (worth 10pts)!

Purpose: The purpose of this lab is to …..
Procedure: (write in past tense using "I" & "We" statements in your own words—DO NOT COPY PROCEDURES I GIVE YOU)

1. In groups of 2 collect the following data
2. Obtain **4** data points (Δt, Δs) for each of the **3** different toys & put data in a table
3. Each person on one graph—plot the data for a Δs vs. Δt graph for all 3 toys, draw a best fit line and calculate the slope for each line on the graph.

Data:

Toy 1:		Toy 2:		Toy 3:	
Measured	*Measured*	*Measured*	*Measured*	*Measured*	*Measured*
Δs (m)	Δt (s)	Δs (m)	Δt (s)	Δs (m)	Δt (s)

Calculations: (For each toy)
Slope: $m = \dfrac{\Delta y}{\Delta x} = \dfrac{(y_2 - y_1)}{(x_2 - x_1)}$ & $V_{av} = \dfrac{\Delta s}{\Delta t}$

Graphs: Each person make their own & include slope calculation with units

Conclusion: "I learned"…. & SUPPORT WITH DATA

Summary: comment on Lab