

P1310L, Newton's Laws –Part I

Lab 4, Raw Data Sheet

Submitted by: _____ Experiment's date: _____

Team members:

1.- _____ 2.- _____

3.- _____ 4.- _____

Instructor must initial: _____

Acceleration Along an Air Track

Record the mass of the car and of the hanging weight as instructed in the manual. Record the slope of the velocity plot.

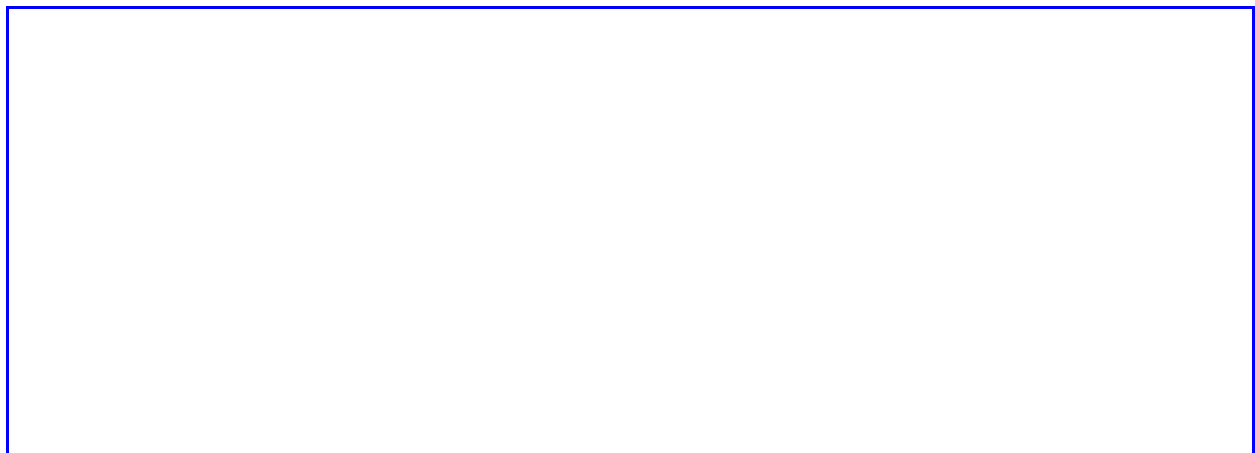
Table 1: Setup 1 Data

cart's mass (g)	hanging mass (g)

Capture a screen shoot of the velocity vs. time and include it in the next box. Record the line slope and its units.

Plot(v vs. t)

Slope: _____



String Tension Along an Air Track

Table 2: Setup 2 Data

cart's mass (g)	hanging mass (g)

Capture a screen shoot and include it in the next box. Record the line slope and the tension including their units.

Plot(v vs. t) Slope: _____ Tension: _____