

Raw Data Sheet

Student Name: _____

Team members:

1.- _____ 2.- _____

3.- _____ 4.- _____

Instructor: _____

Acceleration Through an Atwood Machine

Record the masses of each trial, and record the slope of the velocity curve. Make one printout per group to be handed in, and note down the section title. Be sure to write down the units.

Trial 1: m_1 : _____ m_2 : _____ Slope: _____ Plot(v vs. t):

Trial 2: m_1 : _____ m_2 : _____ Slope: _____ Plot(v vs. t):

Trial 3: m_1 : _____ m_2 : _____ Slope: _____ Plot(v vs. t):

Static Friction on a Horizontal Surface

Record the type of surface and the maximum force applied before the 2 kg mass started to move. Make one printout per group to be handed in, and note down the section title along with corresponding surface. Include units.

Surface: _____

Surface: _____

Maximum force: _____

Maximum force: _____

Plot (F vs. t):

Plot (F vs. t):

Kinetic Friction on an Inclined Surface

Record the mass of the wooden block, the inclination angle and the slope of the velocity curve. Make one printout per group to be handed in, and note down the section title. Be sure to write down the units.

m_{block} : _____

Angle: _____

Slope: _____

Plot (v vs. t):