Name	
Date	
Lab session (Day & time)	
Lab partner	

M4 Work, Energy and Friction Lab Report

A. Answer the following questions BEFORE the lab session (6 pts each)

1. Draw a force diagram for motion down the plane and derive Eq. (2).

2. Show that the units of the work, $F_u L$, and the change of the gravitational energy ΔGPE, mgh, both reduce to joules.

3. To measure the coefficient of kinetic friction, one needs to give a small push to the car to get it in motion. Explain the effect of the small push. How is it related to the static friction?