

Practice for the Test

A 120 N weight is pushed to obtain constant speed along the ground. The applied force is 80 N at an angle of 40° to the horizontal. What is the coefficient of static friction? (0.35)

A 25 kg box is placed on an incline 33° to the horizontal. The coefficient of kinetic friction is 0.38. Find the acceleration of the box. (2.2 m/s^2 down the ramp)