

Name _____ Period _____

Friction Quiz 2

1. A 84.2 N box is being pulled by a rope across the floor at a constant velocity. A scale attached to the rope that is also parallel to the floor reads 32.1 N.
 - a) Draw a free body diagram for the box. 2 points
 - b) Write the net force equations in x and y. 2 points
 - c) Calculate the normal force on the box. 2 points
 - d) Calculate the friction force on the box. 2 points
 - e) Calculate the coefficient of friction. 2 points