Incline Plane worksheet extra practice.

1. An object with mass a mass of 7 kg is being pulled at an angle of 30 ° from the horizontal with a force of 90 N. The coefficient of friction is .65.
    a. What is the normal force?
    b. What is the object's acceleration?

2. An object is pushed up a 23° slope with an acceleration of 1 m/s^2 by a 10 N force. The object weighs 8 N.
    a. What is the net force?
    b. What is the frictional force?
    c. What is the coefficient of friction?
    d. What is the object's velocity after 2 seconds?
    e. How far did the object travel after 2 seconds?