Problem 13.1

When a 60 kg mass is attached to a spring with a spring constant of 130 nt/ m. It is elongated a distance .13 meters from its equilibrium position.



1.)

a.) What is the force on the mass in this position?

b.) What is the acceleration of the mass at this point?

c.) The mass is released. What is the amplitude of the periodic motion?

d.) What is the frequency of the motion?



