Pandemic Sample calculations for lab 07

A mass m is attached to the end of a string of length L forming a simple pendulum. Initially the mass is at an angle θ_0.

Period of the simple pendulum

From ω, find the period, T, of the simple pendulum when L=1 m.

T=_____

Period of the Spring mass system

A mass m is connected to a spring of spring constant k. The system is held horizontal in the Earth's gravitational field.
Find the period, T, of the spring mass system when k=1 N/m and m =.5 kg.

T=_____