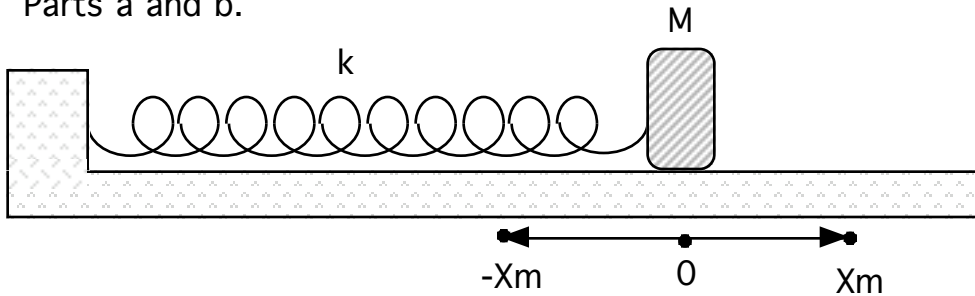


ATTACHMENT

A mass M driven by an ideal (massless) spring with force constant k executes SHM between $+X_m$ and $-X_m$.

Parts a and b.



Part c. Showing SHM of the point on the axis in its initial position at $x = .08$ m, with negative (leftward) velocity, requiring that the counterclockwise rotating radius vector, X_m , is initially at angle ϕ_0 .

