Ethan L   1.93

Question 9

$d = 2.2m$

$\Delta x = .011m$

$1.93 = V_{ix}\Delta t + \frac{1}{2}a_x t^2$ $\overset{0}{}$

$1.93 = V_{ix}\Delta t$ $\frac{1}{2}k\Delta x^2$ $F = -k\Delta x$

$\Delta t =$

$mgh + \frac{1}{2}k\Delta x^2 = \frac{1}{2}mv^2$

$\Delta x = 1.37 cm$