Mubarak Nur

Q9.)

$mgh = \frac{1}{2}kx^2$

$\frac{1}{2} \cdot kx^2 = \frac{1}{2}nv^2$

$\frac{1}{2}$

$x = v_0 t$

$h = \frac{1}{2}gt^2$

$2.2 - 0.27 = \boxed{1.93}$

$x = v\sqrt{2h/g}$

$\frac{V_2}{V_1} = \frac{x_2}{x_1}$

$X_2 = \frac{x}{x_1} \cdot x$

$X_2 = \frac{2.2}{1.93} \cdot 1.1$

$\boxed{X_2 = 1.25}$