

Q9

earlier

$$\text{on ground, } \Delta h = 2.2 - 0.27 \\ = 1.93 \text{ cm}$$

$$\frac{1}{2} k h^2 = \frac{1}{2} m v^2$$

$$\Delta y = v_{0y} t + \frac{1}{2} g t^2$$

$$v = -0.27 \pm (10) t$$

$$\Delta y = v_i \Delta t + \frac{1}{2} a \Delta t^2$$

$$a = 0$$

$$\Delta h = v_i \Delta t$$