Please do not open until instructed to do so.

Make sure you have filled out your SCAN CARD as instructed.

$$X(t) = X_o + V_{o_x}t + \frac{1}{2}a_x t^2$$

$$V_x(t) = V_{o_x} + a_x t$$

Acceleration due to gravity is $9.8 \ m/s^2$

$$\vec{F} = m\vec{a}$$

$$at^2 + bt + c = 0$$

$$t = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$