

$$\Delta x = \Delta x$$

$$\theta = 0$$

$$\Delta y = \Delta y$$

$$\Delta y = v_0 t + \frac{1}{2} a t^2$$

$$a = -9.8$$

$$v_0 = 0$$

$$\Delta y = -4.9 t^2$$

$$t = \sqrt{\frac{\Delta y}{-4.9}}$$

$$t = \sqrt{\frac{h}{4.9}}$$
$$v_i = \frac{\Delta x}{t}$$

 Δx