


FE

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

$$V_y = gt$$

$$V_x = 0$$

$$V_{oy} = 0$$


Proj Horiz



$$V_x \neq 0$$

$$V_x = \frac{X}{t}$$

Proj  $\theta \neq 0^\circ$



$$V_o \neq 0$$

H	V
$V_{ox} = V_o \cos \theta$ $X = V_o \cos \theta \cdot t$	$V_{oy} = V_o \sin \theta$ $y = V_o \sin \theta \cdot t + \frac{1}{2}gt^2$ @ $y_{MAX} V_y = 0$