







The horizontal (X) velocity is marked on each dot. Since the spacing for each dot is equal, and each dot represents the same amount of time then the velocity (Vx) is constant.



 $\phi \rightarrow$ 



Finally we show the acceleration for projectile motion. The only force acting on the ball is  $F_{Earth, Ball}$  so that is then the Net Force. Fnet = ma.  $F_{Earth, Ball}$  = mg, so mg = ma or g = a.