3. (1) The height Y of the projectile is modeled by a parabola function. Calculate the vertex to find MIN/MAX:  $vertex = \frac{-142}{2\frac{(-10)}{22^2}} = \frac{17182}{5}$   $vertex = \frac{-142}{2\frac{(-10)}{22^2}} = \frac{17182}{5}$ 

