3. (1) To find the MIN/MAX, first calculate the vertex:

600 000 F 500 000 F 400 000 F

 $vertex = \frac{-199}{2 \cdot \frac{(-10)}{24^2}} = \frac{28656}{5}$

300 000

200 000

100 000

since the height h of the projectile is modeled by a Parabola function.