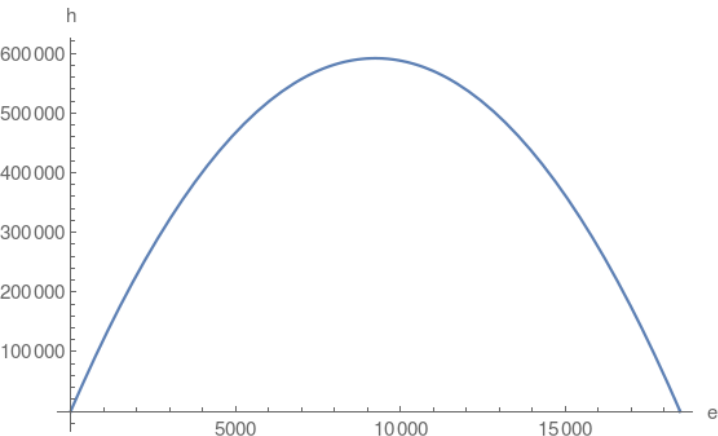


3.

3. (A) To solve for the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-128}{2 \frac{(-10)}{38^2}} = \frac{46208}{5}$$



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