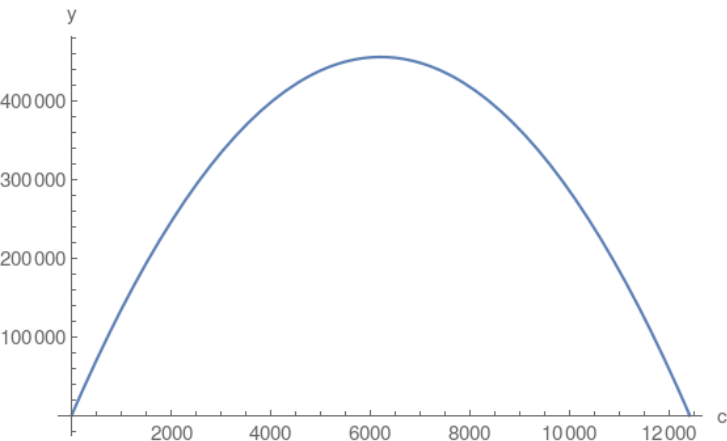


3.

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

$$\text{vertex} = \frac{-147}{2 \frac{(-18)}{39^2}} = \frac{24843}{4}$$



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