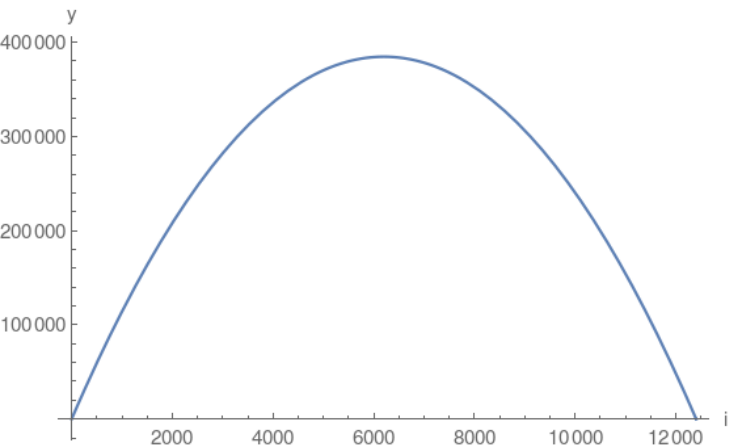


3.

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

$$\text{vertex} = \frac{-124}{2 \frac{(-24)}{49^2}} = \frac{74431}{12}$$



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