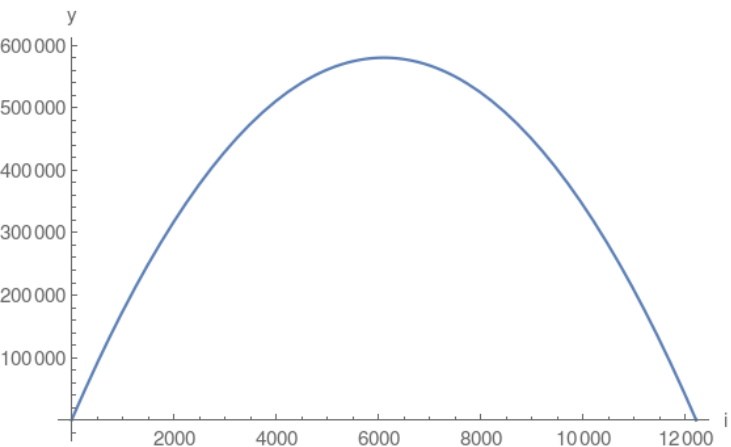


3.

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

$$\text{vertex} = \frac{-190}{2 \frac{(-14)}{30^2}} = \frac{42750}{7}$$



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