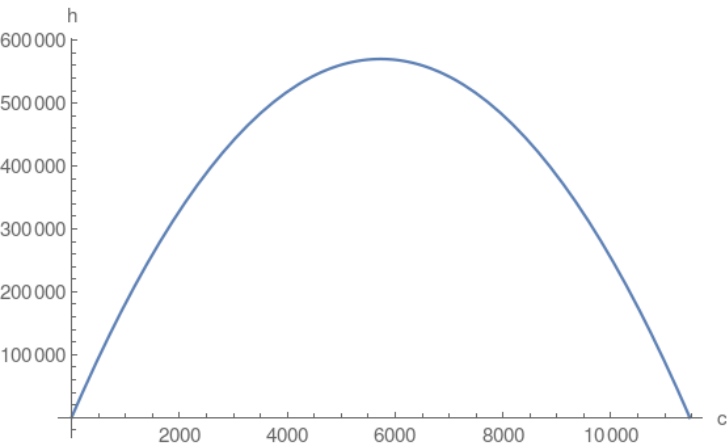


3.

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

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



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