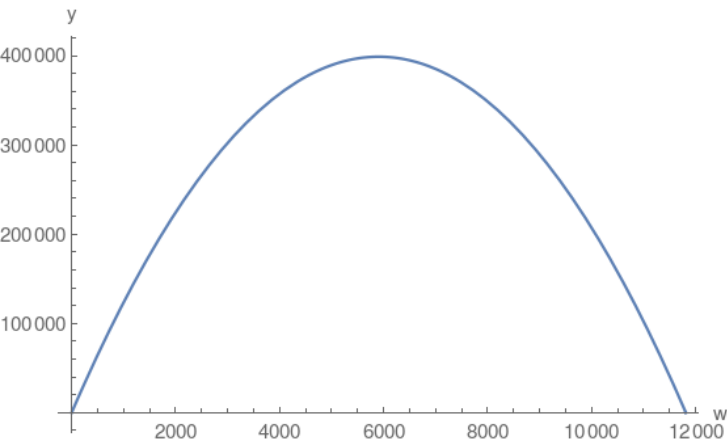


3.

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

$$\text{vertex} = \frac{-135}{2 \frac{(-14)}{35^2}} = \frac{23625}{4}$$



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