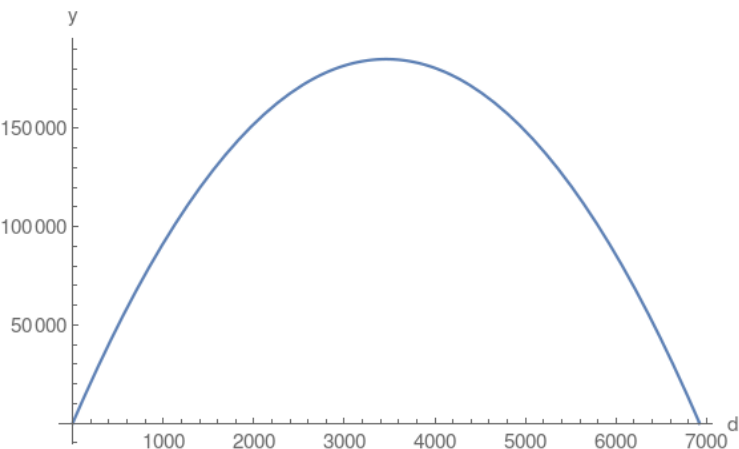


4.

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

$$\text{vertex} = \frac{-107}{2 \frac{(-13)}{29^2}} = \frac{89987}{26}$$



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