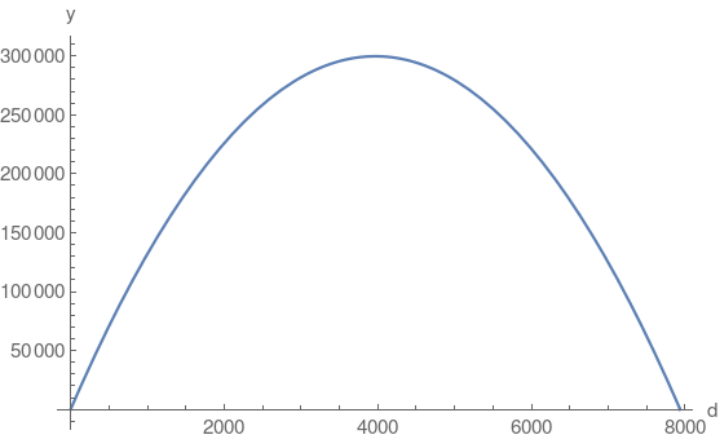


3.

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

$$\text{vertex} = \frac{-151}{2 \frac{(-16)}{29^2}} = \frac{126991}{32}$$



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