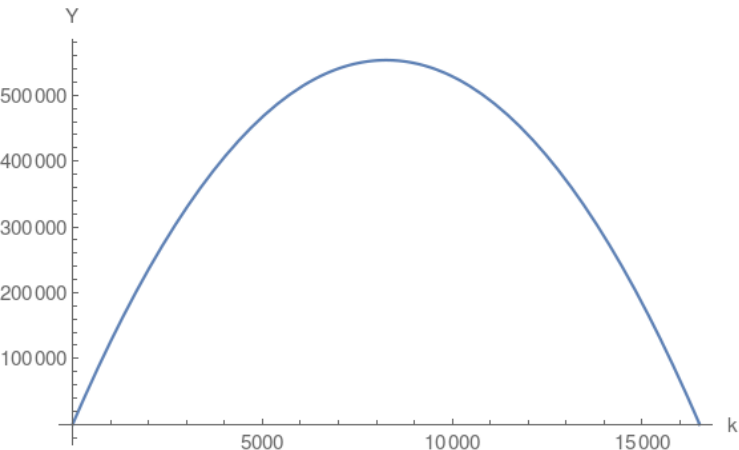


3.

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

$$\text{vertex} = \frac{-134}{2 \frac{(-15)}{43^2}} = \frac{123883}{15}$$



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