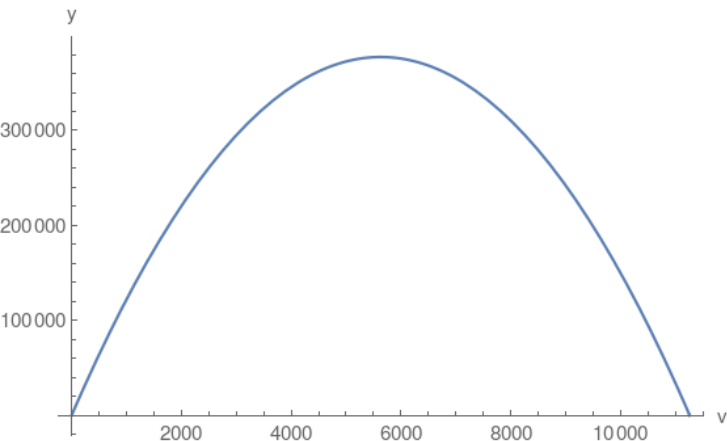


4.

4. (A) To solve for the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-134}{2 \frac{(-22)}{43^2}} = \frac{123883}{22}$$



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