2.
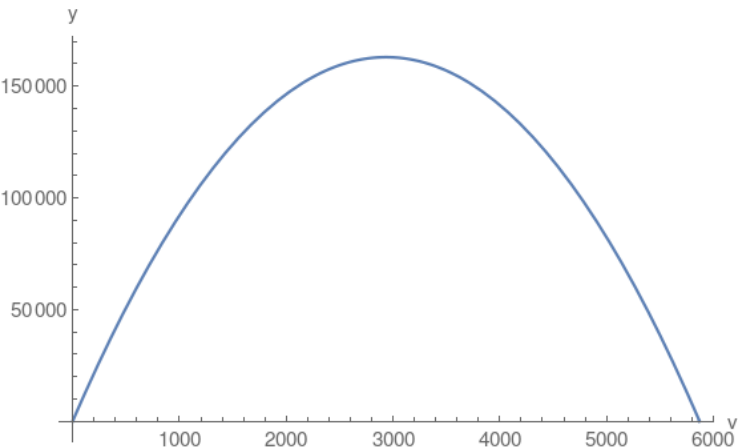
2. (A) To solve for the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-111}{2\frac{(-10)}{23^2}} = \frac{58719}{20}$$

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