2.
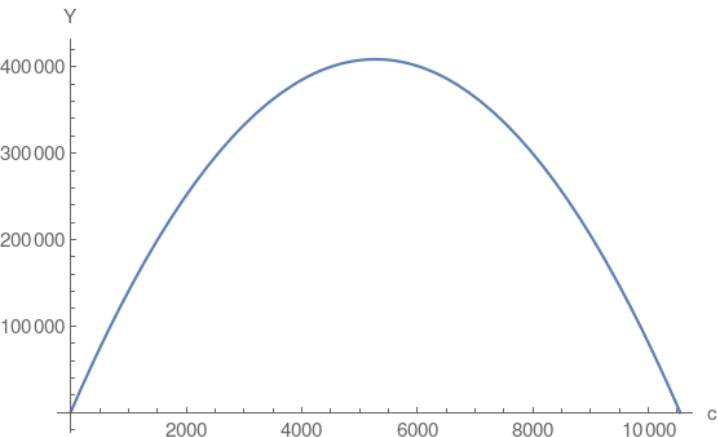
2. (1) To compute the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-155}{2\frac{(-16)}{33^2}} = \frac{168795}{32}$$

since the height Y of the projectile is governed by a Parabola equation.