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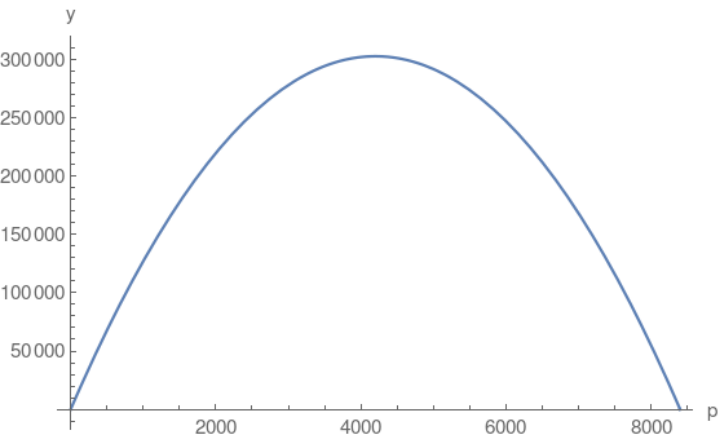
2. (A) To solve for the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-144}{2\frac{(-21)}{35^2}} = 4200$$

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