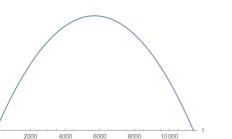
1. (a) The height H of the projectile is modeled by a parabola formula. Calculate the vertex to compute MIN/MAX: $vertex = \frac{-166}{2 \cdot \frac{(-14)}{31^2}} = \frac{79763}{14}$



400 000

100000