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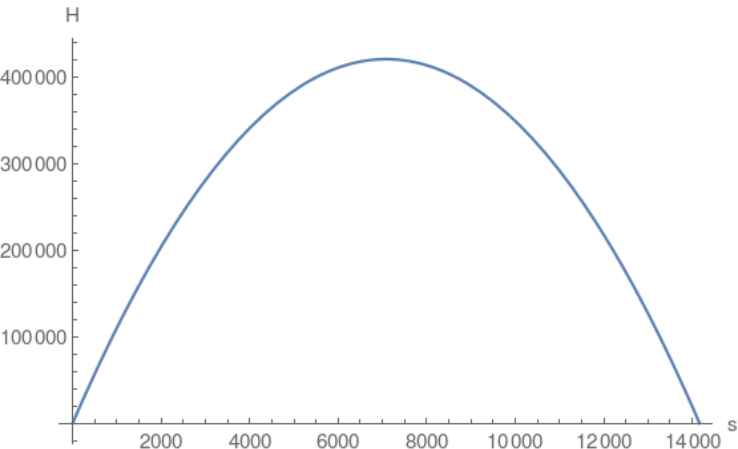
2. (1) To find the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-119}{2\frac{(-21)}{50^2}} = \frac{21250}{3}$$

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