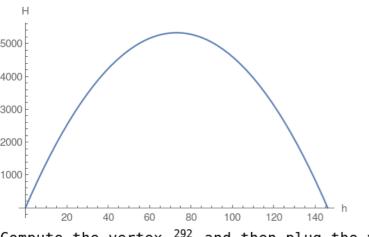
2.

other edge of rectangle. Area of the rectangle is = himesa.

2. Perimeter of rectangle = 2(h+a)=292 where a is the length of the

and solve for $a=\frac{292-2h}{2}$ Then reformulate the area $H=h\times a=146\,h-h^2$ which turns out to be a quadratic Parabola:



Use perimeter equation

Compute the vertex $\frac{292}{4}$ and then plug the vertex into the area which will compute the maximum area.