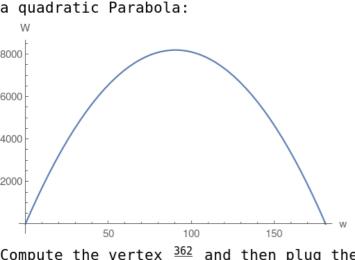
other edge of rectangle. Area of the rectangle is = wimesa.

2. Perimeter of rectangle = 2(w+a)=362 where a is the length of the

8000 6000

Then reformulate the area $W= w \times a = 181 w - w^2$ which turns out to be



Use perimeter equation and solve for a= $\frac{362-2w}{2}$

Compute the vertex $\frac{362}{4}$ and then plug the vertex into the area which will compute the maximum area.