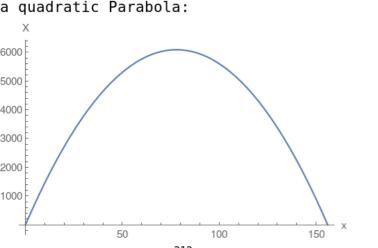
4. Perimeter of rectangle = 2(x+a)=312 where a is the length of the

and solve for $a = \frac{312-2x}{2}$ Then reformulate the area $X = x \times a = 156 \times -x^2$ which turns out to be

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



Use perimeter equation

Compute the vertex $\frac{312}{4}$ and then plug the vertex into the area which will compute the maximum area.