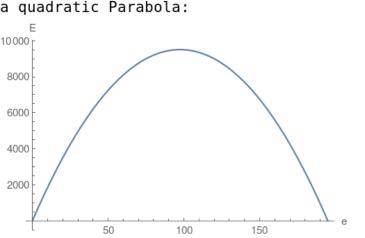
2.

other edge of rectangle. Area of the rectangle is = e imes a.

Use perimeter equation and solve for $a = \frac{390-2e}{2}$ Then reformulate the area $E = e \times a = 195 \, e - e^2$ which turns out to be

2. Perimeter of rectangle = 2(e+a)=390 where a is the length of the



Compute the vertex $\frac{390}{4}$ and then plug the vertex into the area which will compute the maximum area.