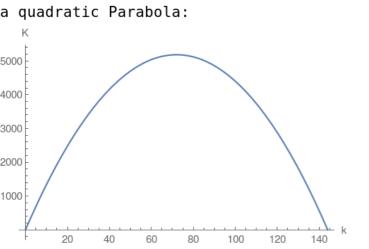
2.

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

Use perimeter equation and solve for a=  $\frac{288-2k}{2}$ 

Then reformulate the area  $K = k \times a = 144 k - k^2$  which turns out to be

2. Perimeter of rectangle = 2(k+a)=288 where a is the length of the



Compute the vertex  $\frac{288}{4}$  and then plug the vertex into the area which will compute the maximum area.