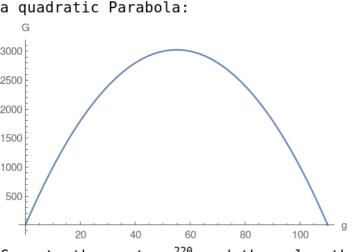
2.

other edge of rectangle. Area of the rectangle is =  $g \times a$ .

2. Perimeter of rectangle = 2(g+a)=220 where a is the length of the

Use perimeter equation and solve for a=  $\frac{220-2g}{2}$  Then reformulate the area G= g×a = 110 g - g² which turns out to be



Compute the vertex  $\frac{220}{4}$  and then plug the vertex into the area which will compute the maximum area.