- 3. Since the fences enclose a rectangular plot without one side, two sides have length b and one side has length a: $a+b+b=2935 \implies a=2935-2b$
- the area: $area=a \times b = (l-2b)b=2935b-2b^2$

Note that the function is for parabola. Now solve for the vertex:

 $vertex = (\frac{2935}{4} m , \frac{8614225}{9} m^2)$

Square the unit for vertex's vertical coordinate since it is a quadratic.