$a+b+b=3480 \implies a=3480-2b$  the area: area=a×b=(l-2b)b= 3480 b - 2 b<sup>2</sup> Note that the equation is for parabola. Now find the vertex:

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

length b and one side has length a:

 $vertex = (870 feet , 1513800 feet^2)$ 

4. Since the fences enclose a rectangular plot without one side, two sides have