$a+b+b=2808 \implies a=2808-2b$ the area: area=a×b=(l-2b)b= 2808b-2b² Note that the function is for parabola. Now solve for the vertex: vertex= (702 feet , 985608 feet²)

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

length b and one side has length a:

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