the area: area=a×b=(l-2b)b= 1302b-2b² Note that the formula is for parabola. Now compute the vertex:

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

length b and one side has length a:

 $a+b+b=1302 \implies a=1302-2b$

vertex= $(\frac{651}{2}$ ft , $\frac{423801}{2}$ ft²)

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