GRAPHING

· Level cures new on extreme will be approximately ellipsel



· level cares near a (true I smalle point will be hyporbolic



CONSTRAINED OPTIMIZATION

How to maximize over of enclose built against existing wall w/ quam of fencins inviterial?



i.e. maximize ACXIY)= XY W/ X+ ZY = 400

$$\begin{array}{ll}
(1) & \times = 400 - 2y \\
A = (400 - 2y)y & = 400y - 2y^2 \\
\Rightarrow A'(y) = 400 - 4y \\
& = 4(100 - 1) \\
\exists 7 = 100 \\
& \times = 200
\end{array}$$

