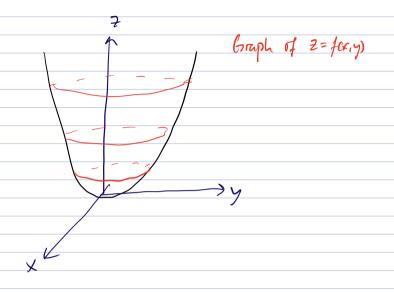
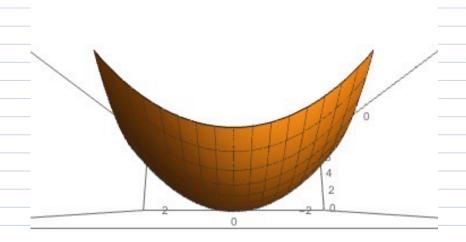
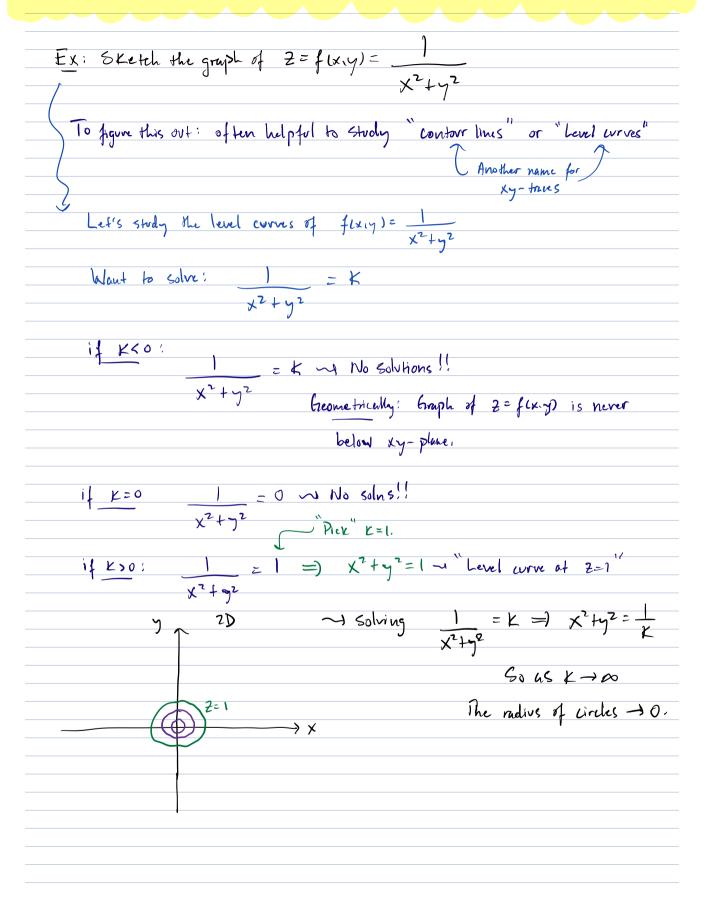
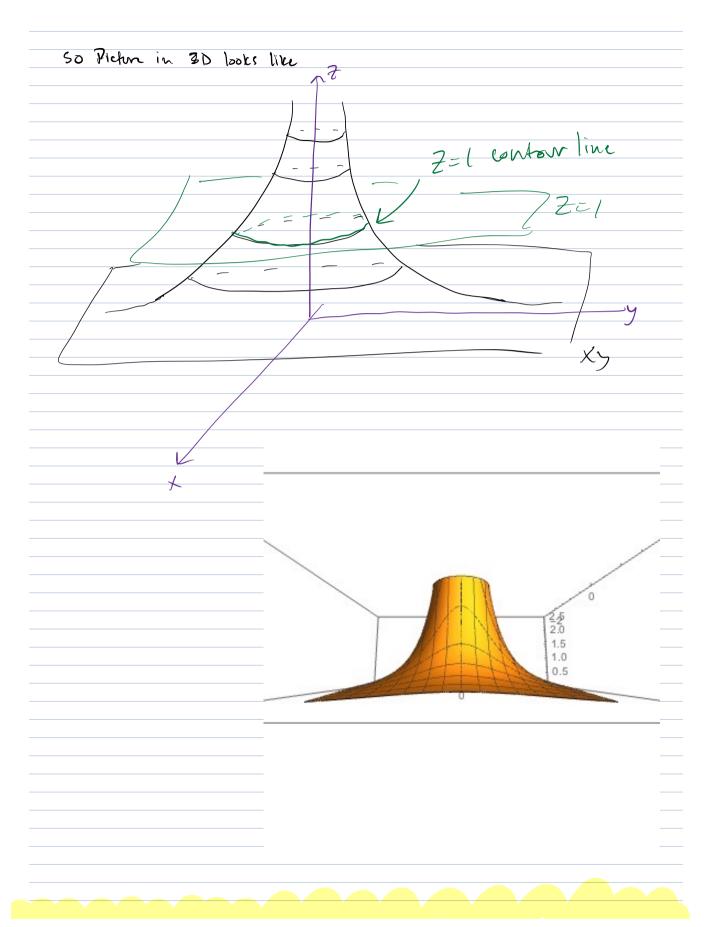
TODAY: § 14.1: Multivariable Functions
100ki 3 1411. Historianic Founding
Functions of Two Variables:
• Let D be a region in the plane \mathbb{R}^2 .
·
A function f on D $f: D \in \mathbb{R}^2 \longrightarrow \mathbb{R}$ Disjuste at put is real #'s. plane \mathbb{R}^2
<u> </u>
Disin the at put is real \$1.
Plan R2
Visites in the second of section
Visualize: 2 braph of Z=flx.y).
theight -
is value at
flag.
\
(Xiy)
* C

EX: Consider f(x,y) = x2+y2. ~>> See the domain is all of IR?

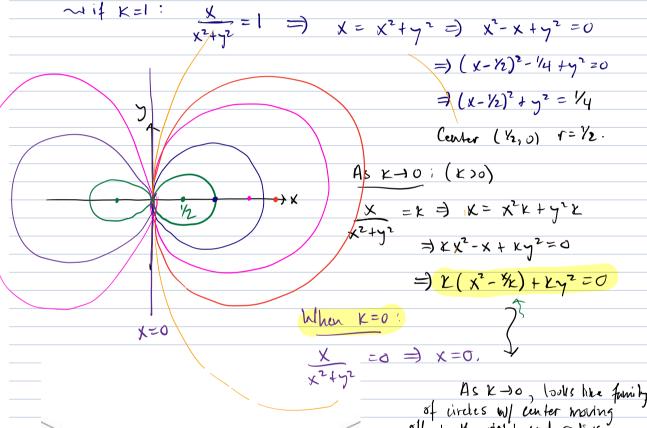








(Means: Study intersection of this surface of plane 2=1)



As K > 0, looks like family of circles w/ center moving off to the right and radius getting bigger.

