Quiz 6; Wednesday, March 2
MATH 53 with Professor Stankova
Section 109; 11-12
GSI: Eric Hallman

Student name:

You have 10 minutes to complete the quiz. Calculators are not permitted, and remember to show your calculations and explain your reasoning in order to receive full credit.

1. If $f(x,y) = |x|+|y|$, sketch the 3-D graph *and* a contour plot of f on the domain $x \in [-2,2], y \in [-2,2]$. The level curves $|x|+|y| = k$ will be diamonds and the graph of f (if you cut it off at some level curve $f(x,y) \leq k$) will look like an inverted pyramid.