

Calc 3 - HW

1) Find the absolute max and min for

a) $f(x,y) = x^2 + y^2 + x^2y + 4$ in $[-1,1] \times [-1,1]$

b) $f(x,y) = 3 + xy - x - 2y$ in the triangular
region with vertices $(1,0)$, $(5,0)$, and $(1,4)$