

MATHEMATICS 2
Friday 20 April 2018
Weekly test number 6

Exercise 1: Write the level curves of the following function:

$$f(x, y) = e^{x^2+y^2-4}$$

Exercise 2: Find the stationary points of the following functions and establish if they are local min, local max or saddle point:

$$f(x, y) = x^3 + y^3 + xy$$