

MATH 243: SECTION 14.7 GROUPWORK

- (1) Find all local maximum and minimum values of the function $f(x, y) = x^2 + xy + y^2 + y$.
- (2) Find all saddle points of the function $f(x, y) = \sin x - \cos y$ with $-2\pi \leq x, y \leq 2\pi$.