Exam exercises

Problem 1.
Exam MET1180 (May 2018) Exercise 4
Consider the function $f(x,y) = (x - y)\, e^{2xy}$.

a. **(6p)** Compute the partial derivatives of f, and find all stationary points.

b. **(6p)** Solve the optimization problem $\max f(x,y)$ when $0 \leq x \leq 1$ and $0 \leq y \leq 1$.

For a complete solution manual, see Exam MET1180 05/2018, Exercise 4.