Exercise 6 (no need to hand in)

1. Questions from textbook (extreme values are stationary points, determinantal test is checking definiteness of Hessian matrix

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317	11.4	1-4
330	11.5	1, 2, 5, 6

2. Find the stationary points of the following function, check whether they are local minimum, local maximum, or saddle point.

$$f\left(x, y\right) = e^{-x}\left(2x^2 + y^3 - 3y\right)$$