

Math-71 Sections 9, 11, 12

Homework #9

Due: 4/23/2019 5:45pm

Reading

Read sections 13.3 and 13.4.

Problem

Find the two first partial and four second partial derivatives for the following function of two variables. Be sure to perform all reasonable simplifications prior to taking derivatives.

$$f(x, y) = \ln \left[x^2 e^{(x^3+1)y^2} \right]$$