

基礎数学 D レポート 3 解答

答え 1 (1)

$$\frac{\partial f}{\partial x} = -2xe^{-x^2-y^2}, \quad \frac{\partial f}{\partial y} = -2ye^{-x^2-y^2}.$$

(2)

$$\frac{\partial f}{\partial x} = y^3 \cos(xy^3), \quad \frac{\partial f}{\partial y} = 3xy^2 \cos(xy^3).$$