

“QUIZ” for Sept. 24, 2009

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

- 1.** Compute the partial derivatives with respect to x and y .

$$z = \ln(x^2 + y^3) \quad .$$

- 2.** Find an equation of the tangent plane to the given surface at the specified point.

$$z = x^2 + y^2 + 2 \quad , \quad (1, 1, 4) \quad .$$