

1. QUIZZES

NAME:_____

PERM:_____

This time you can just write your final answer. However, you still need to simplify them.

Let

$$f(x, y) = \cos(x^2 - y) \ln(y^3 - x)$$

$$g(x, y, z) = \frac{e^{x^2 z}}{xyz}$$

Find partial derivatives:

(1) f_x :

(2) f_y :

(3) g_x :

(4) g_y :

(5) g_z :