Section ___________ **Name** ____

TA _________________ **Student Number** ______________________________

Math 126B **Calculus With Analytic Geometry III** **Spring 1995**

QUIZ #4

5/2/95

Show your work.

You are given that $z = f(x, y)$ is a linear function of x and y, and its graph is the plane shown below, which goes through points A, B, and C. By inspecting the graph, determine the following partial derivatives of $f(x, y)$ at the points indicated:

1. $\dfrac{\partial f}{\partial x}(1, 0)$

$$\frac{\partial f}{\partial x}(1, 0) = \boxed{}$$

2. $\dfrac{\partial f}{\partial y}(0, 1)$

$$\frac{\partial f}{\partial y}(0, 1) = \boxed{}$$