"QUIZ" for Lecture 20

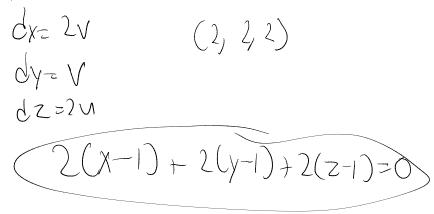
NAME: (print!) Tayed Raza Section: 6

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q20FirstLast.pdf) ASAP BUT NO LATER THAN Nov. 16, 8:00pm

1. Find an equation for the tangent plane to the parametric surface

$$x=v^2$$
 , $y=u+v$, $z=u^2$,

at the point (1, 2, 1). Simplify as much as you can!



2. Evaluate the surface integral

$$\int \int_S z \, dS \quad ,$$

where S is the triangular region with vertices (2,0,0),(0,2,0),(0,0,2).