## "QUIZ" for Lecture 20

Wenhad	n li	All
<b>NAME:</b> (print!)	5	Section:

## 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

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

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).

I don't know how to do it.