Math 2263

Quiz 6

Name   Section   Score

(7 points) 1. Evaluate the double integral by first identifying it as the volume of a solid.

$$\iint_R (6-x)dA, \ R = \{(x,y)|0 \le x \le 6, 0 \le y \le 5\}$$

(8 points) Calculate the iterated integral.

$$\int_0^1 \int_0^1 xy\sqrt{x^2+y^2}dxdy$$