

Math 201 Quiz 7

(A)

Name:.....Sec#: .....ID#:.....Ser:.....

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**Q.1:** Evaluate the double integral  $\int_{-2}^2 \int_0^{\sqrt{4-y^2}} \sqrt{x^2 + y^2} dx dy$ .

**Q.2:** Evaluate the triple integral  $\iiint_E 6xy dV$ , where  $E$  lies under the plane  $z = 1 + x + y$  and above the region in the  $xy$  - plane bounded by the curves by  $y = \sqrt{x}$ ,  $y = 0$ , and  $x = 1$ .