

Math 201-153

Quiz 6

(A)

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

Q.1: Evaluate the double integral $\int_0^8 \int_{\sqrt[3]{x}}^2 \frac{1}{y^4 + 1} dy dx$

Q.2: Use polar coordinates to evaluate the double integral $\int_1^2 \int_0^{\sqrt{2x-x^2}} \frac{1}{(x^2 + y^2)^2} dy dx$