

Math 201-151

Quiz 7

(A)

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

Q.1: Evaluate the double integral $\int_0^2 \int_0^{4-x^2} \frac{xe^{2y}}{4-y} dy dx$

Q.2: Convert into polar integral and solve $\int_0^{\ln 2} \int_0^{\sqrt{(\ln 2)^2 - y^2}} e^{\sqrt{x^2 + y^2}} dx dy$

Q.3: Solve $\int_0^1 \int_0^{\sqrt{e}} \int_1^e y e^y \ln x \frac{(\ln z)^2}{z} dz dx dy$