KFUPM--Term 132(2014)

Math 201 Quiz # 4-a Time: 20 minutes Date: 6-5-2014

Name	ID #	Sr #	Sec #	Marks:- /8

Q 1. Evaluate the integral $\iint_R \frac{\sqrt{y}}{x^2} dA$, *where* $R: 1 \le x \le 2,\ 0 \le y \le 4$.

Q2. Sketch the region of integration for the integral $\int_0^2 \int_0^{4-x^2} \frac{xe^{2y}}{4-y} dydx$ and evaluate it

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Math 201 Quiz # 4-b Time: 20 minutes Date: 6-5-2014

Name	ID #	Sr #	Sec.	Marks:- /8

Q 1. Evaluate the integral $\iint_R \frac{xy^3}{x^2+1} dA$, *where* $R: 0 \le x \le 2, 0 \le y \le 1$.

Q2. Sketch the region of integration for $\int_0^2 \int_{x^2}^{2x} f(x,y)\, dydx$ and write an equivalent integral with the order of integration reversed.

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Math 201 Quiz # 4-c Time: 20 minutes Date: 6-5-2014

Name	ID #	Sr #	Sec #	Marks:- /8

Q 1. Evaluate the integral $\iint_R x \sin(x+y)\, dA$, *where* R: $0 \le x \le \pi, -\pi \le y \le 0$.

Q2. Evaluate the integral $\int_0^1 \int_y^1 x^2 e^{xy}\, dxdy$.