KFUPM--Term 151

Math 201 Quiz 5(a) Time: 20 minutes Date: 08-12-15

Name	ID	Sr	Sec.	Marks: $/_8$

Q1. Evaluate the integral $\iint_R xye^x\,dA, \quad where\ R: 0 \le x \le 1,\ 1 \le y \le 2$.

Q2. Sketch the region of integration for the integral $\int_1^{ln8} \int_0^{lny} e^{x+y}\,dxdy$ and evaluate it.

KFUPM--Term 151

Math 201 Quiz 5(b) Time: 20 minutes Date: 08-12-15

Name	ID	Sr	Sec.	Marks: /8

Q1. Evaluate the integral $\iint_R \frac{x}{1+xy} dA, \quad where\ R: 0 \le x \le 1,\ 0 \le y \le 1.$

Q2. Sketch the region of integration for the integral $\int_0^{\pi} \int_x^{\pi} \frac{\sin y}{y} dydx$ and evaluate it.

KFUPM--Term 151

Math 201 Quiz 5(c) Time: 20 minutes Date: 08-12-15

Name	ID	Sr	Sec.	Marks: /8

Q1. Evaluate the integral $\iint_R \left(1 - \frac{x^2+y^2}{10}\right) dA, \quad where\ R: 0 \le x \le 1, 0 \le y \le 1.$

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

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Math 201 Quiz 5(d) Time: 20 minutes Date: 08-12-15

Name	ID	Sr	Sec.	Marks: /8

Q1. Evaluate the integral $\iint_R \frac{\sqrt{x}}{y^2} dA, \quad where\ R: 0 \le x \le 4, 1 \le y \le 2.$

Q2. Sketch the region of integration for the integral $\int_0^{2\sqrt{\ln 3}} \int_{\frac{y}{2}}^{\sqrt{\ln 3}} e^{x^2}\, dxdy$ and evaluate it.