KFUPM--Term 152

Math 201 Quiz 6(a) Time: 20 minutes Date: 3- 5-16

Name	ID	Sr	Sec.	Marks: /8

Q1. Convert $\int_{-1}^{1} \int_{-\sqrt{1-y^2}}^{\sqrt{1-y^2}} ln(x^2 + y^2 + 1)\, dxdy$ into polar integral and then evaluate.

Q2. Evaluate $\int_0^{\pi} \int_0^{\pi} \int_0^{\pi} \cos(u + v + w)\, du\, dv\, dw$.

KFUPM--Term 152

Math 201 Quiz 6(b) Time: 20 minutes Date: 3-5-16

Name	ID	Sr	Sec.	Marks: $/_8$

Q1. Convert $\int_0^1 \int_x^{\sqrt{2-x^2}} (x+2y)\, dy\, dx$ into polar integral and then evaluate.

Q2. Evaluate $\int_0^7 \int_0^2 \int_0^{\sqrt{4-q^2}} \frac{q}{r+1}\, dp\, dq\, dr$.

KFUPM--Term 152

Math 201 Quiz 6(c) Time: 20 minutes Date: 3-5-16

Name	ID	Sr	Sec.	Marks: /8

Q1. Evaluate $\int\int_D 2xy\, dA$, D is the portion of the region between the circles of radius 2 and radius 5 centered at the origin that lies in the first quadrant.

Q2. Evaluate $\int_0^5 \int_0^2 \int_0^{\sqrt{4-p^2}} \frac{p}{r+1}\, dq\, dp\, dr$