MTH 203 Mathematics II (Multivariate Calulus) Tutorial Sheet 3
Tutorial Sheet 3
1) Evaluate the following integrals:
1 11-22
1) Evaluate the following integrals: 1 11-2 To To (i) \int \int \int \int \int \int \int \int
2) Evaluate If a dady where R is the region 14 x(1-y) 12. R
R
3) Very double integral find the area enclosed by the curve
A - Deis 30 given in bolow condinates
3) Vering double integral, find the area enclosed by the curve 1 = 18in 30 given in polar coordinates
4) Evaluate S Ctan Tra - tan n) de
5) Find the volume of the solid which is common to the cylinder $n^2 + y^2 = 1$ and $n^2 + y^2 = 1$
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