

MATH 201.5 (091)

Quiz 4 (Chap. 15.3-8)

Duration: 20mn

Name:

ID number:

1.)(5pts) Evaluate $\int_0^2 \int_0^{\sqrt{4-x^2}} e^{x^2+y^2} dydx$.

2.)(5pts) Find the volume of the solid F outside the cylinder $x^2 + y^2 = 1$ and inside the hemisphere $x^2 + y^2 + z^2 = 4, z \geq 0$.