

QUIZ 2

Time: 10min

1. Compute the volume of the solid bounded by the graph $z = x^2 + y$, the rectangle $R = [0, 1] \times [1, 2]$ and the “vertical sides” of R .
2. Express the volume of a sphere of radius R as a double integral in two different ways. You do not need to evaluate the integrals.

Each problem is worth 5 points.