Math 201-07 Quiz 7 Term 122

Exercise: Find the volume of the solid under the paraboloid $z = x^2 + y^2$ and above the region bounded by $y = x^2$ and $x = y^2$.

Exercise: Sketch the region of integration and change the order of integration

$$I = \int_0^1 \int_{4x}^4 f(x,y) dy dx$$