Quiz 5
6/13/2024

Name: _____

1. Evaluate the double integral $\iint_D \sqrt{x^2 + y^2}\,dA$ where D is the region bounded by the circle $x^2 + y^2 = 1$ and the circle $x^2 + y^2 = 4$ in the first quadrant.

2. Without sketching the solid $E = \{(x, y, z) : 0 \leq x \leq 1, 0 \leq y \leq x, 0 \leq z \leq y\}$, find the volume of E.