

Quiz 2

Math 102, Term 172

NAME:

ID:

Problem 1. Set up the integral that gives the area of the region enclosed by $y = \sin x$, $y = \cos x$, $x = 0$ and $x = \frac{\pi}{2}$. [Do not evaluate.]

Problem 2. Find the volume of the solid whose base is the region enclosed by $x = y^2$ and $x = 1$, and the cross-sections perpendicular to the x -axis are equilateral triangles.