

Quiz 2

Name _____

Math 2B, 12PM

Please justify all your answers

October 24, 2019

Please also write your full name on the back

1. The base of the solid S is the region enclosed by the curve $y = \sqrt{x}$, the x -axis, and the line $x = 1$. Cross sections perpendicular to the x -axis are squares. Find the volume of S .

2. Evaluate the integral.

$$\int x e^x dx.$$