Calc III: Quiz 4, Fall 2017

Name: _____

Problem 1. Compute the double integral
$$\int_0^2 \int_1^4 xy \, dx \, dy.$$

Problem 2. Compute the double integral
$$\int_0^{\pi/2} \int_0^y \cos x \, \sin y \, dx \, dy.$$

Problem 3. Find the volume V of the solid bounded by the three coordinate planes and the plane $x + y + z = 1$.