

Quiz #10; Wed, 4/6/2016

Math 53 with Prof. Stankova

Section 110; MWF12-1

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Student Name: _____

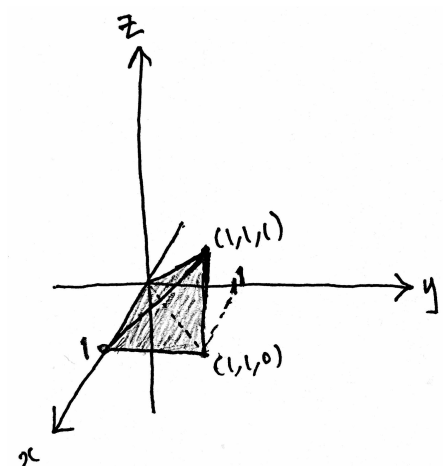
Problem. (a) Sketch the solid region of integration in the integral below

$$\int_0^1 \int_y^1 \int_0^y f(x, y, z) dz dx dy$$

(b) The following integral represents the same integral as above: fill in the bounds of integration:

$$\int \int \int f(x, y, z) dx dy dz$$

Solution. (a) the sketch is:



(b) Thus, the integral is $\int_0^1 \int_0^z \int_y^1 f dx dy dz$