

MATB41 WEEK 9 QUIZ 1 LEC02

Question 1

D is the region in the first octant bounded by:

$$y = 1 - x, z = 1 - y^2$$

Sketch the domain D .

Then, integrate $f(x, y, z)$ over the domain in **4 out of 6 ways**.

(There are 6 different ways to arrange the order of $dx dy dz$.)