

MATB41 WEEK 9 QUIZ 2 LEC02

Question 1

D is the region that is:

above $x + y + z = 1$, below $x^2 + y^2 + z^2 = 1$,
in the 1st octant.

Sketch the domain D .

Then, integrate $f(x, y, z)$ over the domain in **2 out of 6 ways** by projecting the domain onto the **xy-plane**.