

Calculus

Quiz 8

24/11/'23

You may use your class notes during the quiz. No other sources are permitted

Name: _____

1. Calculate $\int_E(dx \wedge dy + 2xdy \wedge dz)$, where E is the ellipsoid $x^2 + y^2 + \frac{1}{4}z^2 = 1$. (To translate this into our language, note that E may be seen as the image of two singular 2-cubes. This may or may not help with the calculation.)