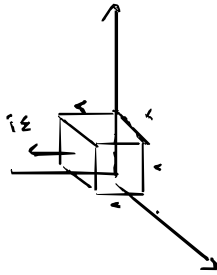


5)



Gesucht Gauss:

$$\int_{\partial G} F \cdot n \cdot d\sigma = \iiint_G (\nabla \cdot f) \cdot dV$$

$\rightarrow 1+1+1=3$

$$= \int_0^1 dx \int_0^1 dy \int_0^1 3 \, dx = 3$$