

6.14.

$$\int_D e^{-y^2} dx dy = \int_{y=0}^1 \int_{x=-y}^y e^{-y^2} dx dy = \int_{y=0}^1 2ye^{-y^2} dy$$

SVAR:

$$\int_D e^{-y^2} dx dy = -(e^{-1} - 1) = 1 - e^{-1} = \frac{e-1}{e}$$