

8.9.

$$V = 8 \int_{D_{xy}} \int_{z=0}^{\sqrt{1-y^2}} dz \, dx dy = 8 \int_{D_{xy}} \sqrt{1-y^2} \, dx dy$$

$$V = 8 \int_{y=0}^1 \int_{x=0}^{\sqrt{1-y^2}} \sqrt{1-y^2} \, dx \, dy = 8 \int_{y=0}^1 \{1-y^2\} \, dy = 8 \frac{2}{3} = \frac{16}{3}$$

SVAR: **Volymen $V = \frac{16}{3}$.**