

S. 172/4a, Geg: $h = 2,5 \text{ cm}$; $V = 24 \text{ cm}^3$

Geo.: r ; s ; G ; M ; O

$$V = \frac{1}{3} G \cdot h \Rightarrow G = \frac{3V}{h}$$

$$G = \frac{3 \cdot 24 \text{ cm}^3}{2,5 \text{ cm}} = \underline{\underline{28,8 \text{ cm}^2}}$$

$$G = r^2 \cdot \bar{u} \Rightarrow r = \sqrt{\frac{G}{\bar{u}}}$$

$$r = \sqrt{\frac{28,8 \text{ cm}^2}{\bar{u}}} = \underline{\underline{3,03 \text{ cm}}}$$

$$r^2 + h^2 = s^2 \Rightarrow s = \sqrt{r^2 + h^2}$$

$$s = \sqrt{\frac{28,8 \text{ cm}^2}{\bar{u}} + (2,5 \text{ cm})^2}$$

$$s = \underline{\underline{3,93 \text{ cm}}}$$

$$M = r \cdot s \cdot \bar{u}$$

$$M = 3,03 \text{ cm} \cdot 3,93 \text{ cm} \cdot \bar{u}$$

$$\underline{\underline{M = 37,4 \text{ cm}^2}}$$

$$O = r^2 \bar{u} + M$$

$$\odot = (3,03 \text{ cm})^2 \cdot \pi + 37,4 \text{ cm}^2$$

$$\underline{\underline{\odot = 66,2 \text{ cm}^2}}$$