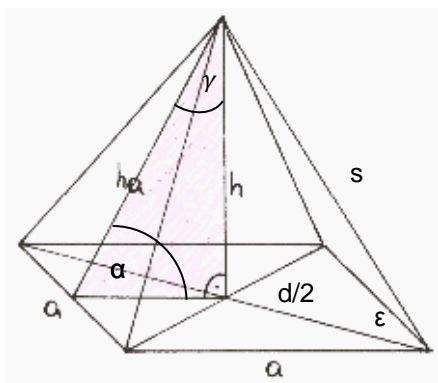


## Lösung Beispiel 859.) c.)



$$s = 8,5 \text{ cm} \quad h = 7,7 \text{ cm}$$

$$\sin(\varepsilon) = \frac{h}{s} \quad \rightarrow \quad \varepsilon = \sin^{-1}\left(\frac{7,7}{8,5}\right) \approx 64,94^\circ$$

$$\frac{d}{2} = \sqrt{s^2 - h^2} \quad \rightarrow \quad \frac{d}{2} = 3,6 \text{ cm} \quad \rightarrow \quad d = 7,2 \text{ cm}$$

In jedem Quadrat gilt  $d = a\sqrt{2}$ :

$$a = \frac{d}{\sqrt{2}} \quad \rightarrow \quad a \approx 5,09 \text{ cm}$$

$$\delta = \sphericalangle(s, a)$$

$$\cos(\delta) = \frac{a}{s} \quad \rightarrow \quad \delta = \cos^{-1}\left(\frac{2,55}{8,5}\right) \approx 72,57^\circ$$

