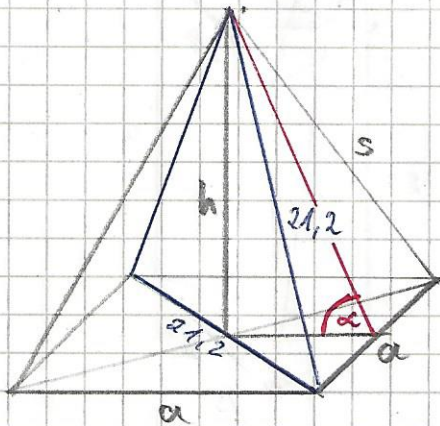


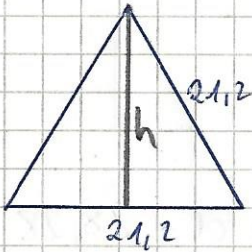
ges: V_{Pyv} , d



$$V_{\text{Pyv}} = \frac{1}{3} a^2 \cdot h$$

$$a \cdot \sqrt{2} = d \rightarrow a = \frac{d}{\sqrt{2}}$$

$$\underline{a = 14,99 \text{ cm}}$$



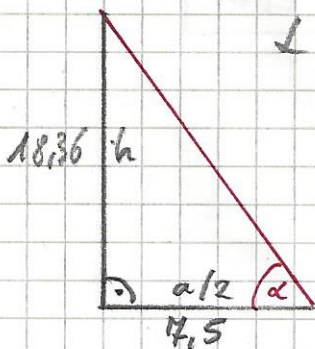
$h = \text{Höhe gleichs. } \Delta$

$$\rightarrow \text{FS: } h = \frac{a}{2} \sqrt{3}$$

$$\text{oder Pythagoras } \sqrt{21,2^2 - 10,6^2}$$

$$\underline{h = 18,36 \text{ cm}}$$

$$V_{\text{Pyv}} = \frac{1}{3} \cdot 14,99^2 \cdot 18,36 \Rightarrow \underline{\underline{V_{\text{Pyv}} = 1375,16 \text{ cm}^3}}$$



$$L: \tan L = \frac{18,36}{7,5}$$

$$\Rightarrow L = 67,8^\circ$$