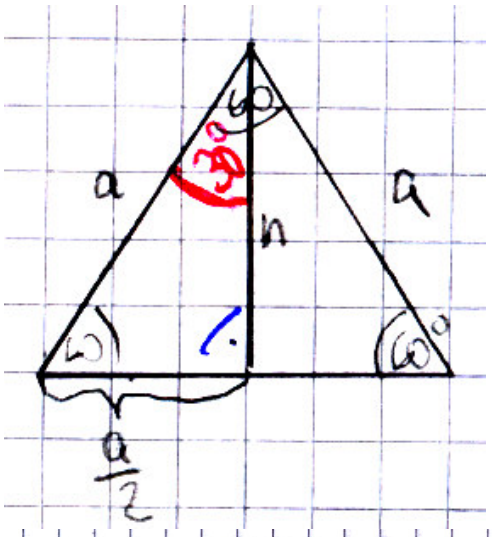
Herleitung von sin 30°, cos 30° und tan 30°



$$\sin 30° = \frac{\frac{a}{2}}{a} = \frac{1}{2}$$

$$\cos 30° = \frac{h}{a} = \frac{1}{2}\sqrt{3}$$

$$\tan 30° = \frac{\frac{a}{2}}{h} = \frac{\frac{a}{2}}{\frac{\sqrt{3}}{2}a} =$$

$$= \frac{a}{2} \cdot \frac{2}{\sqrt{3}a} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3} = \frac{1}{3}\sqrt{3}$$ Rh.