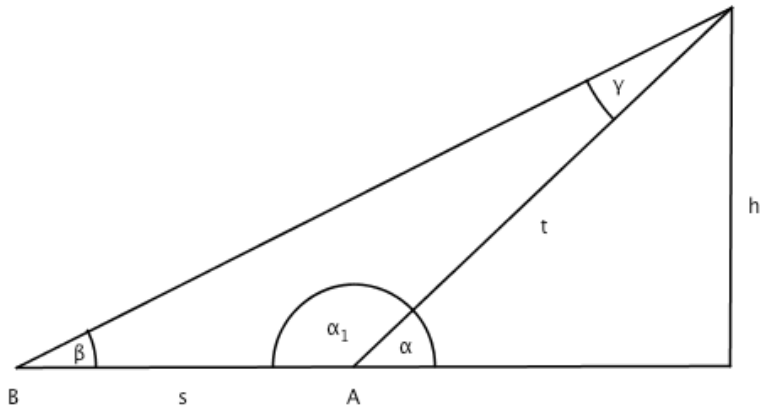
LÖSUNG ZU 799a:




s = 20 m  α = 35,5°  β = 29,1°

$\alpha_1 = 180° - \alpha$ → $\alpha_1 = 144{,}5°$

$\gamma = 180° - (\alpha_1 + \beta)$ → $\gamma = 6{,}4°$

$\frac{t}{\sin(\beta)} = \frac{s}{\sin(\gamma)}$ → $t = \frac{s}{\sin(\gamma)} \cdot \sin(\beta) = \frac{20}{\sin(6{,}4°)} \cdot \sin(29{,}1) \approx 87{,}26$ m

$\sin(\alpha) = \frac{h}{t}$ → $h = t \cdot \sin(\alpha) = 87{,}26 \cdot \sin(35{,}5°) \approx 50{,}67$ m