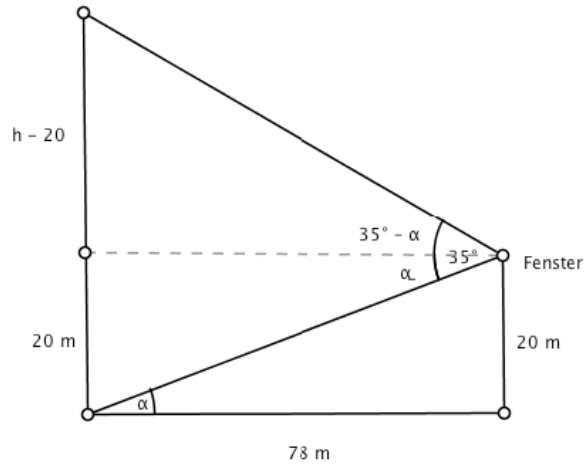
Lösung Beispiel 724.)



h ... Höhe des Turms

$\tan(\alpha) = \frac{20}{78}$ → $\alpha = \tan^{-1}\left(\frac{20}{78}\right) \approx 14{,}38°$

$35° - \alpha \approx 20{,}62°$

$\tan(35° - \alpha) = \frac{h-20}{78}$ → $h = 78 \cdot \tan(35° - \alpha) + 20 \approx 49{,}35\ m$