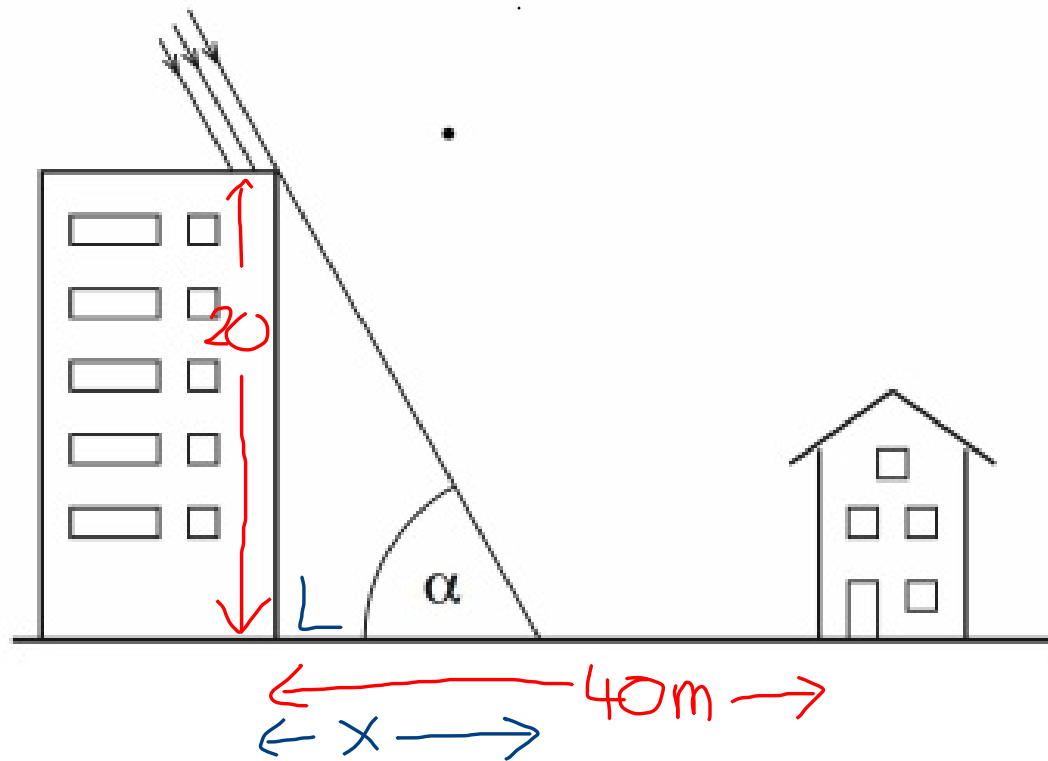


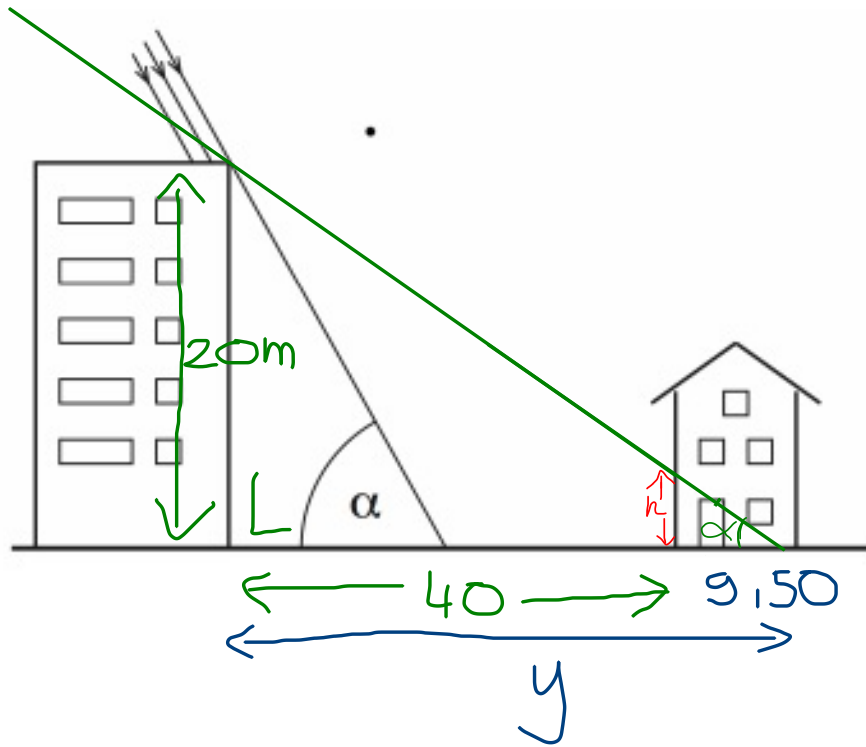
Ex 3.26



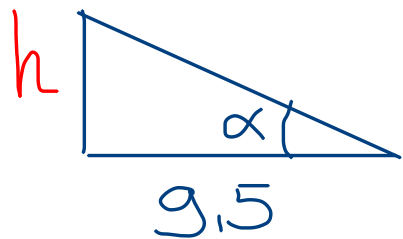
a) $\alpha = 72^\circ$

$$\tan(72) = \frac{20}{x} \Leftrightarrow x \cdot \tan(72) = 20$$

$$\Leftrightarrow x = \frac{20}{\tan(72)} \approx 6,50 \text{ m} < 40 \text{ m} \checkmark$$



b) $\alpha = 22^\circ$



$$\tan(22) = \frac{h}{9.5}$$

$$\Leftrightarrow h = 9.5 \cdot \tan(22)$$

$$\approx \underline{\underline{3.84 \text{ m}}}$$

... $y \approx 49.50 \text{ m}$

Ex 3.28

