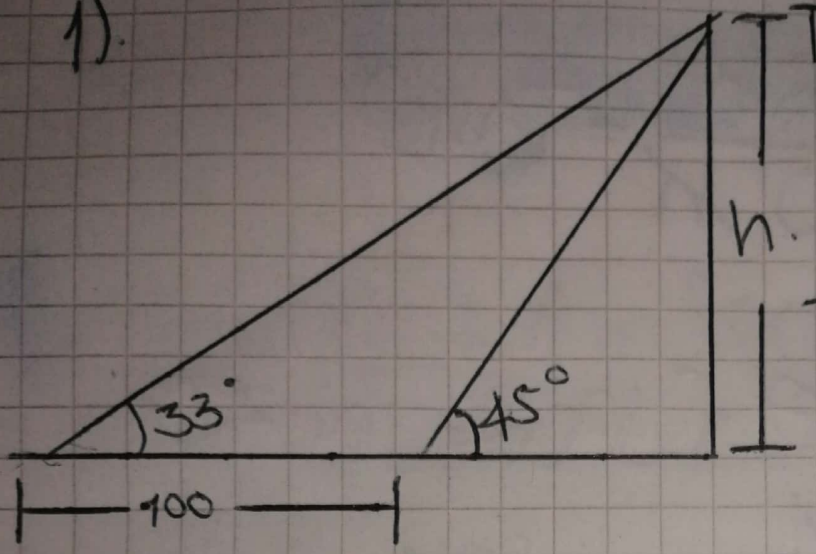
1).



$\tan(33) = \frac{h}{100+x}$ → $\tan(33) = \frac{h}{100}$

$\tan(45) = \frac{h}{x}$ → $x = \frac{h}{\tan(45)}$

$0,64 = \frac{h}{100+h}$

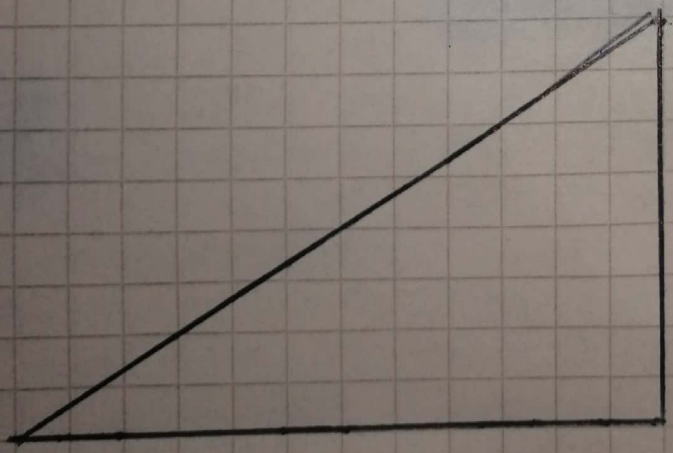
$(100+h)(0,64) = h$

$\frac{100+h}{100+(45} = 1 \div 100+h$

$64+0,64 = h \rightarrow 64 = h = 0,64h \rightarrow 64,0\ 0,36$

$64/0,36 = 178$ R/ h = 1.78.

2).

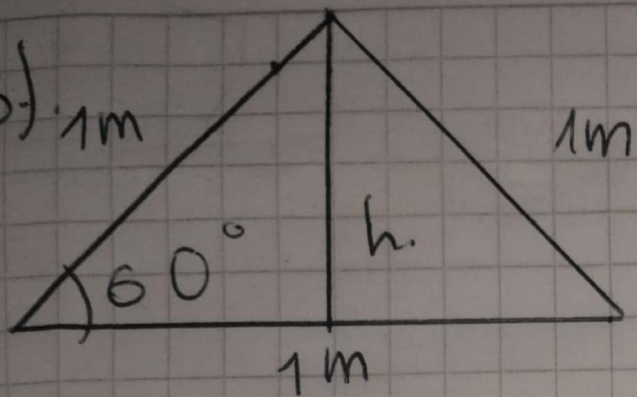


$\cos\theta = \frac{x}{10} \rightarrow \cos 20° = \frac{x}{10}$

$0,939 = \frac{x}{10} \rightarrow 0,939 \times 10 = 9$

R/ x = 9,39.

3.)



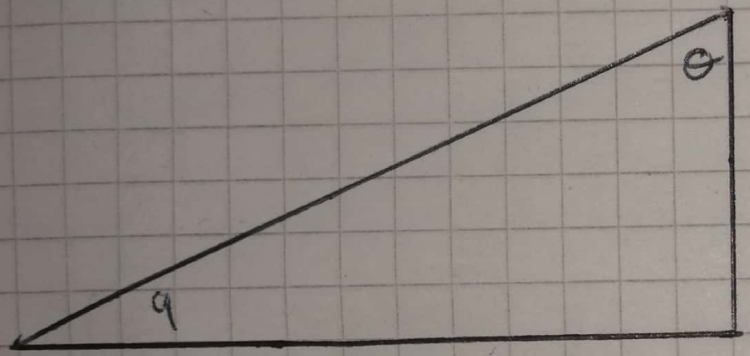
$1/2 = 0,5$

$1^2 + 0,5^2 = ?$

$0,666 = \frac{2}{3}$

$R\ \frac{2}{3}$

4)



$\theta = 20 \rightarrow \text{sen}(20°) \times 3 r($

$R = 12,1$

$1 + \tan^2(\theta) = 20 \rightarrow 1 + \tan^2\theta = \tan^2\theta$

$R = \tan^2\theta$