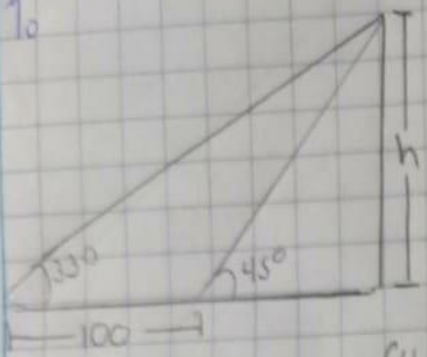
Examen 2 Periodo

1º



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

$\tan(45)$

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

$0,642 = \frac{h}{100+h}$

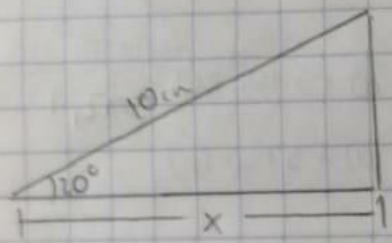
$100 + \frac{h}{\tan(45)} = 1 = 100 + h$

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

$64 + 0,64h = h \Rightarrow 64 = h - 0,64h \Rightarrow 64, 0,36$

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

2º

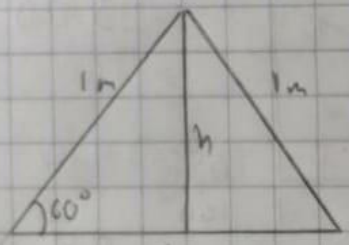


$\cos\theta = \frac{x}{10} \Rightarrow \cos 20° = \frac{x}{10}$

$0,939 = \frac{x}{10} \Rightarrow 0,939 \times 10 = 9,39$

R $X = 9,39$ cm

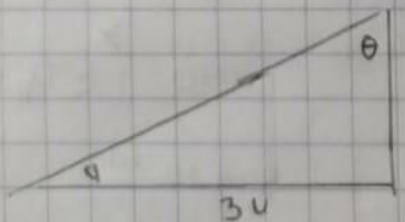
3º



$1^2 + 0,5^2 = ?$ 0,866

$0,866 = \frac{\sqrt{3}}{2}$ R/ $\frac{\sqrt{3}}{2}$

4º



$\text{sen}(\theta) \times \csc(\theta) + \text{stan}(\theta)$

$\theta = 20 \Rightarrow \text{sen}(20) \times \csc(20°) + \text{stan}(2$

R: 12,1

5º $1 + \tan^2(\theta) = ?_0 \Rightarrow 1 \tan^2\theta \Rightarrow \tan^2\theta$

R: $\tan^2\theta$

Norma