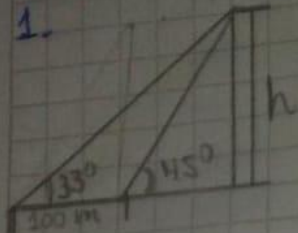


Scribe

09/06/2021

# Procedimientos Examen

1.



$$\begin{aligned}\tan(45^\circ) &= \frac{h}{120\text{m}} = 120 - \tan(45^\circ) = 120 \\ \tan(33^\circ) &= \frac{h}{200\text{m}} = 200 - \tan(33^\circ) = 64.9 \\ 120 + 64.9 &= 184.9\end{aligned}$$

$$h = 184.9$$

2.

$$c-a = ?$$

$$H = 10\text{cm}$$

$$\theta = 20^\circ$$

$$\cos(20^\circ) = \frac{c-a}{10\text{cm}}$$

$$c-a = 10\text{cm} \cdot \cos(20^\circ) = 9.39\text{cm}$$

3.

$$h = \frac{3}{2}$$

4.

$$\sin(\alpha) \cdot \csc(\theta) + 5 \tan(\alpha) = 12$$

5.

$$1 + \tan^2(\theta) = \sec^2(\theta)$$