

5

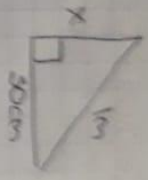
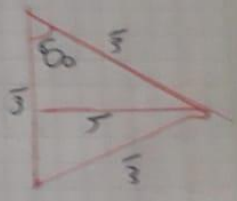
$$1 + \tan^2 \theta = \sec^2 \theta$$

$$\frac{1}{\cos^2 \theta} + \frac{\sin^2 \theta}{\cos^2 \theta} = \frac{1}{\cos^2 \theta}$$

$$1 + \tan^2 \theta =$$

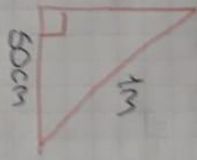
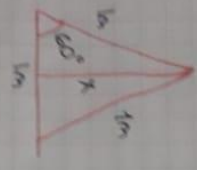
$$\frac{1}{\cos^2 \theta} + 1 = \sec^2 \theta$$

3



$$1m^2 = X^2 + 50cm^2$$

$$1 = X^2 + 9,500$$



$$X = \sqrt{1^2 - 50^2}$$

$$X = \sqrt{1 - 2500}$$

$$X = \sqrt{2499}$$

$$X = 49,98$$

4. $500 \cdot \cos + 5 \cdot \tan$

$$\frac{50 \cdot \cos}{h} + \frac{5}{1} \cdot \frac{\cos}{\cos}$$

$$\frac{50 \cdot \cos}{h^2} + \frac{500}{\cos}$$

$\frac{1}{3} \sin \cdot \cos + 5 \cdot \tan$ (d)

$$\frac{100 \cdot \cos}{3} + \frac{5 \cdot \sin}{2}$$

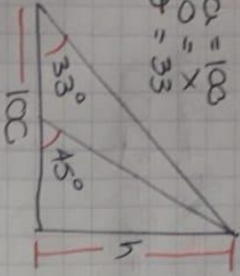
$$\frac{2}{3} \frac{\cos \cdot \cos}{h}$$

$$\frac{100 \cdot \cos^2}{3} + \frac{5 \cos}{1 \cos}$$

$$\frac{8}{3} = 2,67$$

Procedimiento del examen
2do Período

1



$$\begin{aligned} \cos 33 &= \frac{100}{X} \\ \cos 45 &= \frac{h}{X} \\ \theta &= 33 \end{aligned}$$

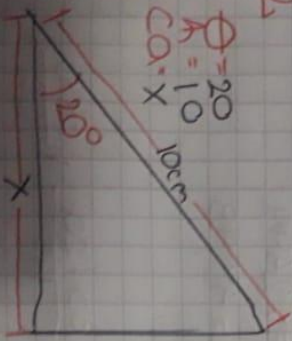
$$\tan 33 = \frac{h}{100} \quad 100 \cdot \tan 33 = h$$

$$\sin 45 = \frac{h}{X}$$

$$X \cdot \sin 45 = h$$

$$X = 92$$

2



$$\begin{aligned} \theta &= 20 \\ h &= 10 \\ \cos \theta &= \frac{X}{10} \end{aligned}$$

$$\cos 20 = \frac{X}{10}$$

$$10 \cdot \cos 20 = X$$

$$X = 9,39$$