

1

$$\tan 33 = \frac{x}{100}$$

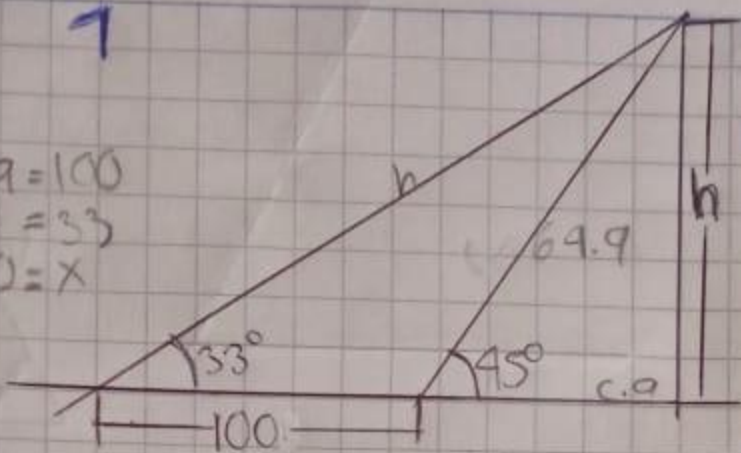
$$c.o = 100$$

$$\theta = 33$$

$$c.o = x$$

$$100 \cdot \tan 33 = x$$

$$64.9 = x$$



$$\text{Sen } 45 = \frac{64.9}{x}$$

$$\theta = 45$$

$$c.o = 64.9$$

$$h = x$$

$$x \cdot \text{Sen } 45 = 64.9$$

$$x = \frac{64.9}{\text{Sen } 45} = 92$$

2

$$\theta = 20$$

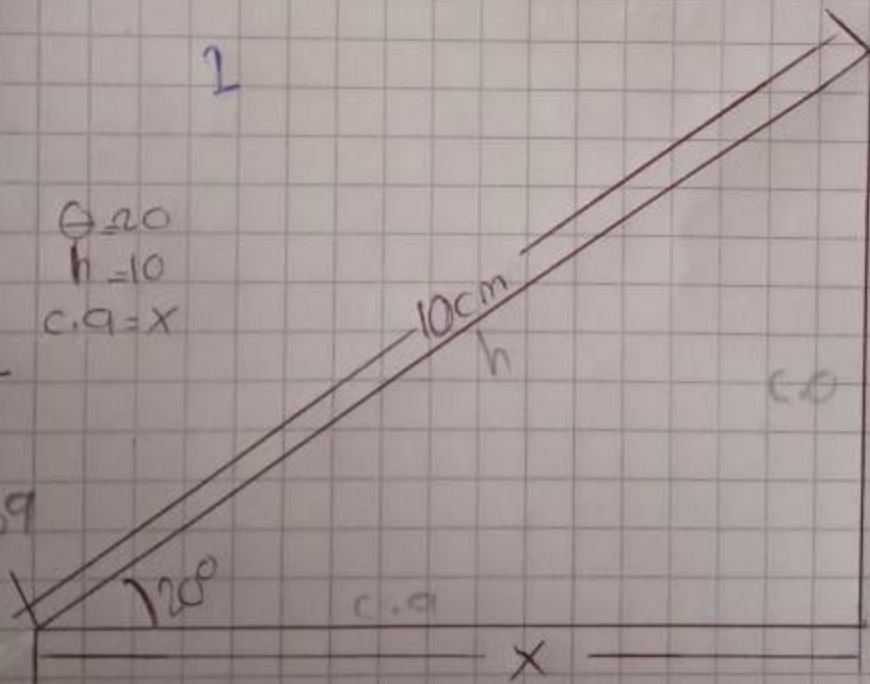
$$h = 10$$

$$c.o = x$$

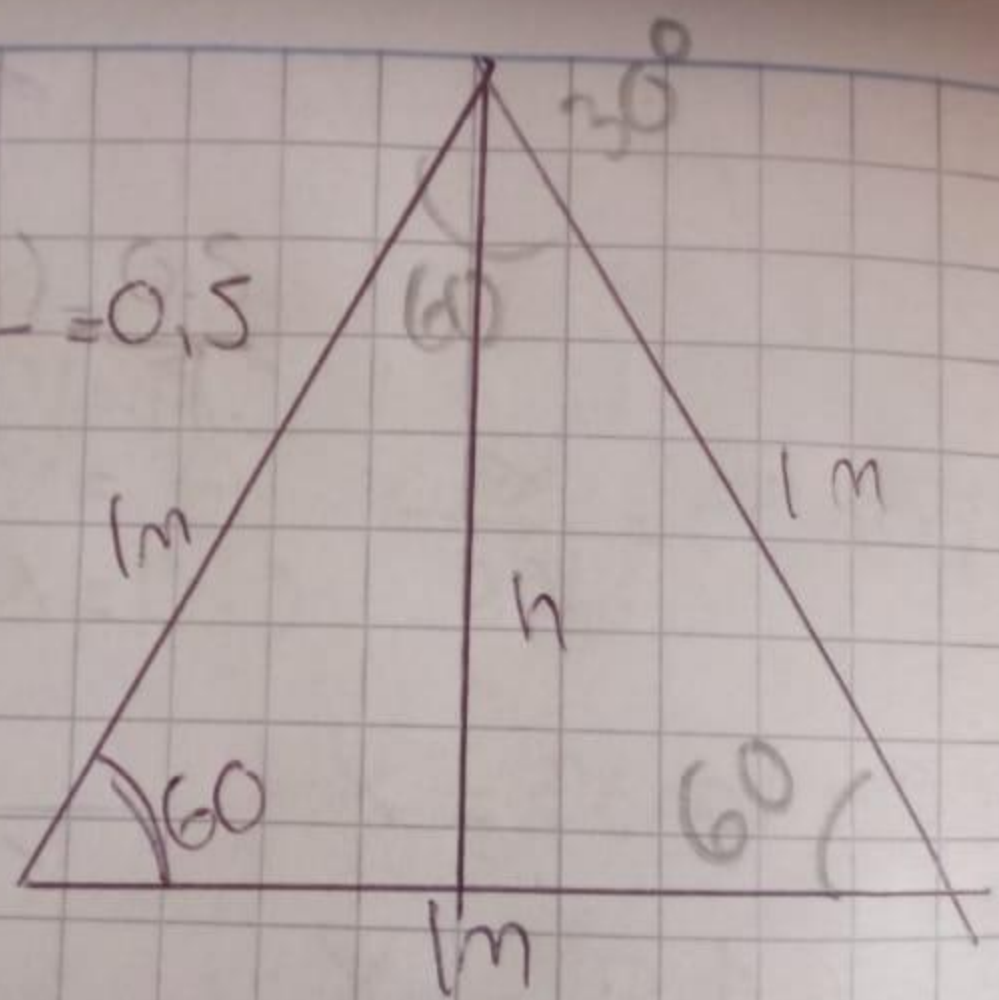
$$\cos 20 = \frac{x}{10}$$

$$10 \cdot \cos 20 = x$$

$$= 9.39$$



$$\text{Sen}(30) = \frac{0,5}{1} = 0,5$$



$$5) 1 + \cot^2 \theta = \csc^2 \theta$$

$$2) \cot \theta \cdot \sec \theta = 1$$

$$\sec \theta \cdot \sec \theta = \frac{\sec \theta}{\cot \theta}$$

$$1 + \tan^2(\theta) = \frac{1}{\cos^2} + 1 = \csc^2(\theta)$$