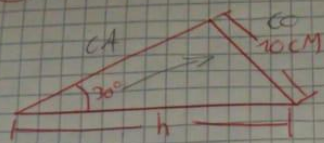


1



$$\begin{aligned} \text{Sen}(\theta) &= \frac{CA}{w} \\ \text{Sen}(30) &= \frac{10}{w} \\ w &= \frac{10}{\text{Sen}(30)} \\ w &= 20 \text{ CM} \end{aligned}$$

$$\text{Sen}(\theta) = \frac{CA}{w}$$

$$\text{Sen}(30) = \frac{10}{w}$$

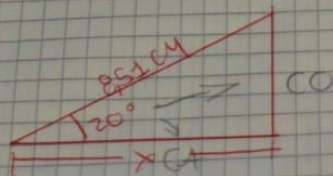
$$\text{Sen}(30) = \frac{10}{w}$$

$$h = \text{Sen}(30) \cdot 10$$

$$h = 5$$

Ma

2



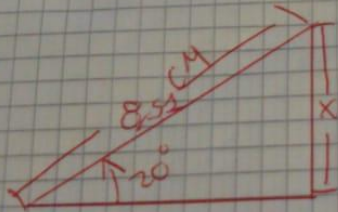
$$\text{Cos}(\theta) = \frac{CA}{w}$$

$$\text{Cos}(20) = \frac{CA}{8,51}$$

$$CA = 8,51 \cdot \text{Cos}(20)$$

$$CA = 7,996784 \text{ CM}$$

3



$$h^2 = a^2 + b^2$$

$$8,51^2 = 7,99^2 + b^2$$

$$b^2 = 7,99^2 - 8,51^2$$

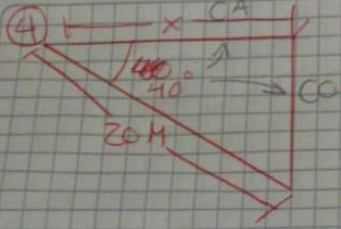
$$b^2 = 63,8401 - 72,4201$$

$$b^2 = -8,58$$

$$b = \sqrt{8,58}$$

$$b = 2,92 \text{ CM}$$

$$x = 2,92 \text{ CM}$$



$$\cos(\theta) = \frac{CA}{H}$$

$$\cos(40) = \frac{CA}{20}$$

$$CA = 20 \cdot (\cos(40))$$

$$CA = 15.3208$$

$$X = 15.3208 \text{ m}$$