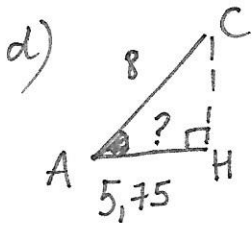


Exercice 4 (partie 2)

CAH SOH TOA



Le triangle ACH est rectangle en H

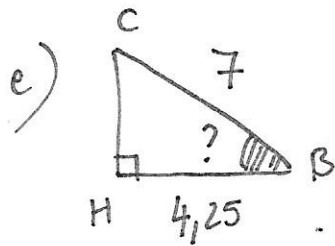
On a: $\cos \hat{A} = \frac{AH}{AC}$

$$\cos \hat{A} = \frac{5,75}{8}$$

$$\hat{A} \approx 44^\circ$$

calculatrice:

touche $\boxed{2^{nde}}$ $\boxed{\cos}$
 $\boxed{\cos^{-1}}$
 $\boxed{\text{Arc cos}}$



Le triangle HBC est rectangle en H

on a: $\cos \hat{B} = \frac{HB}{BC}$

$$\cos \hat{B} = \frac{4,25}{7}$$

$$\hat{B} \approx 52,6^\circ$$

(HB = 10 - 5,75 = 4,25 cm)

Sachant que la somme des angles d'un triangle est égale à 180° .

Alors

$$\begin{aligned} \hat{C} &= 180 - (\hat{A} + \hat{B}) \\ &= 180 - (44 + 52,6) \\ &= 180 - 96,6 \\ &= 83,4^\circ \end{aligned}$$