

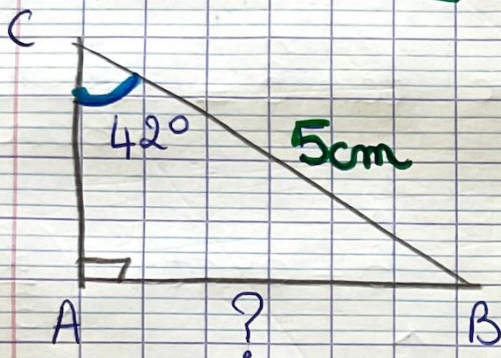
Révisions géométrie

TRIGO

1/1

ex 16.1

CAH SOH TOA



Dans ABC rect en A
 $\sin \hat{C} = \frac{AB}{BC}$

$$\sin 42^\circ = \frac{AB}{5 \text{ cm}}$$

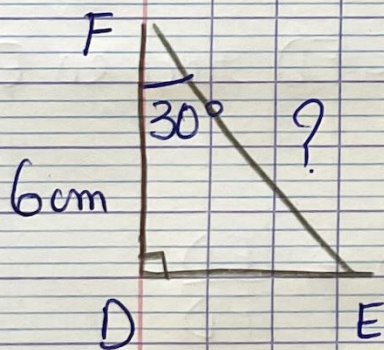
donc

$$AB = (\sin 42^\circ) \times 5 \text{ cm} \div 1$$
$$\approx \underline{3,3 \text{ cm}}$$

3,345 ...

ex 16.2

CAH SOH TOA



Dans DEF rect en D

$$\cos \hat{F} = \frac{FD}{FE}$$

$$\cos(30^\circ) = \frac{6 \text{ cm}}{FE}$$

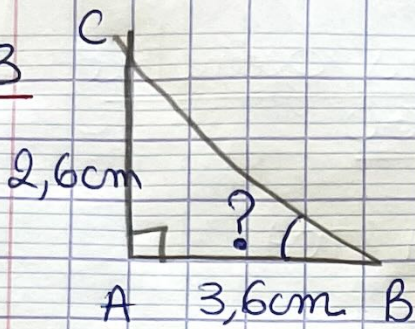
donc

$$FE = 1 \times 6 \text{ cm} \div \cos(30^\circ)$$
$$\approx \underline{6,9 \text{ cm}}$$

6,928 ...

CAH SOH TOA

exc 16.3



Dans ABC rect en A
on a
 $\tan \hat{B} = \frac{CA}{AB}$

donc $\tan \hat{B} = \frac{2,6 \text{ cm}}{3,6 \text{ cm}}$

donc $\hat{B} = \arctan\left(\frac{2,6 \text{ cm}}{3,6 \text{ cm}}\right)$

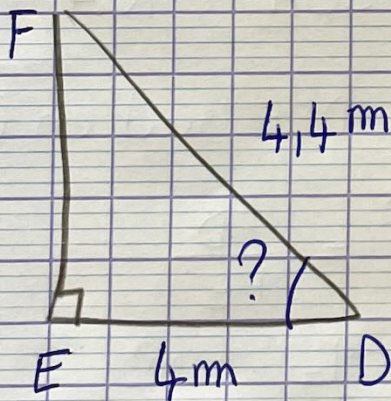
donc $\hat{B} \approx 36^\circ$

35 | 837 ---
4

c'est un 6 donc + 1 unité

exc 16.4

CAH SOH TOA



Dans FED rect en E
on a

$$\cos \hat{D} = \frac{ED}{FD}$$

$$\cos \hat{D} = \frac{4 \text{ m}}{4,4 \text{ m}}$$

donc $\hat{D} = \text{Arc Cos}\left(\frac{4 \text{ m}}{4,4 \text{ m}}\right)$

$\hat{D} \approx 25^\circ$

24 | 619 ---
4