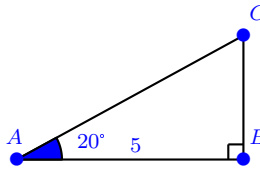
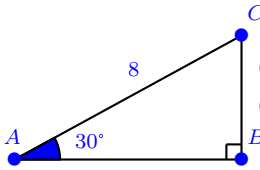
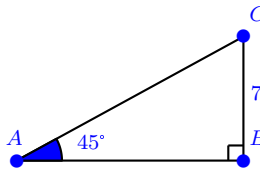
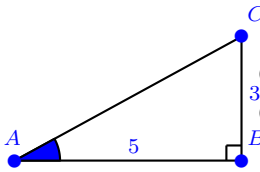
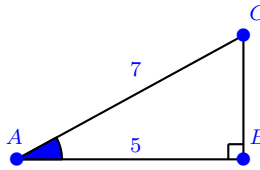
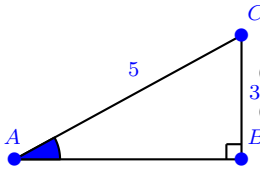
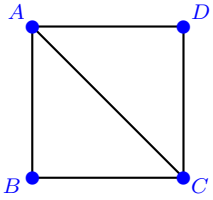
SERIE D'EXERCICES 1

EXERCICE 1 Calculer sans utiliser le théorème de Pythagore

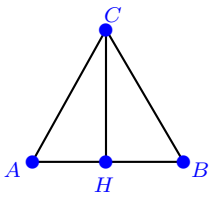
1)  Calculer BC Calculer AC	2)  Calculer BC Calculer AB
3)  Calculer AB Calculer AC	4)  Calculer $\widehat{BAC}$ Calculer AC
5)  Calculer $\widehat{BAC}$ Calculer BC	6)  Calculer $\widehat{BAC}$ Calculer AB

EXERCICE 2



ABCD est un carré de côté 1
Calculer AC à l'aide du théorème de Pythagore
Calculer $\widehat{DAC}$
En déduire les valeurs exactes de $\cos(45°)$ et de $\sin(45°)$

EXERCICE 3



ABC est un triangle équilatéral de côté 1
Calculer CH à l'aide du théorème de Pythagore
Calculer $\widehat{CAH}$
En déduire les valeurs exactes de $\cos(30°)$, de $\sin(30°)$, de $\cos(60°)$ et de $\sin(60°)$