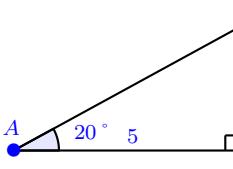
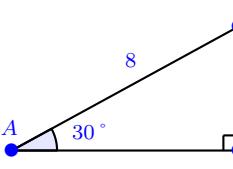
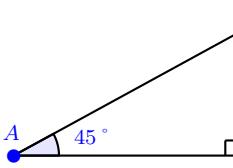
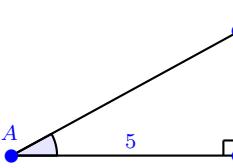
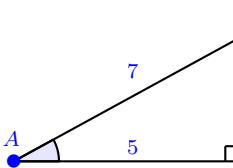
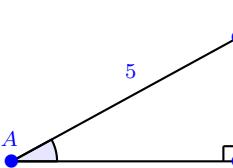
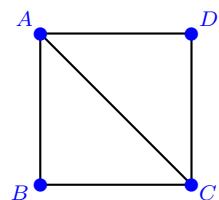


**EXERCICE 1** Calculer sans utiliser le théorème de Pythagore

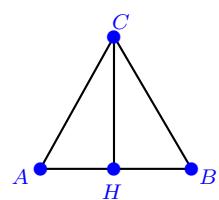
1)  Calculer $BC$ Calculer $AC$	2)  Calculer $BC$ Calculer $AB$
3)  Calculer $AB$ Calculer $AC$	4)  Calculer $\widehat{BAC}$ Calculer $AC$
5)  Calculer $\widehat{BAC}$ Calculer $BC$	6)  Calculer $\widehat{BAC}$ Calculer $AB$

**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  $\cos(45^\circ)$  et de  $\sin(45^\circ)$

**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  $\cos(30^\circ)$ , de  $\sin(30^\circ)$ , de  $\cos(60^\circ)$  et de  $\sin(60^\circ)$