Exercise 1

Given $\alpha \in \left[\dfrac{\pi}{2}, \pi\right]$ and $\sin(\alpha) = \dfrac{1}{5}$, determine $\cos\left(\alpha - \dfrac{\pi}{6}\right)$.	4 marks

Exercise 2

On considère que $\alpha \in \left[\dfrac{\pi}{2}, \pi\right]$ et que $\sin(\alpha) = \dfrac{1}{5}$. Déterminer la valeur exacte de $\cos\left(\alpha - \dfrac{\pi}{6}\right)$.	4 marks

Exercise 3

Sapendo che $\alpha \in \left[\dfrac{\pi}{2}, \pi\right]$ e che $\sin(\alpha) = \dfrac{1}{5}$, determina il valore di $\cos\left(\alpha - \dfrac{\pi}{6}\right)$.	4 marks