4. The diagram shows two right-angled triangles with angles p and q as marked.
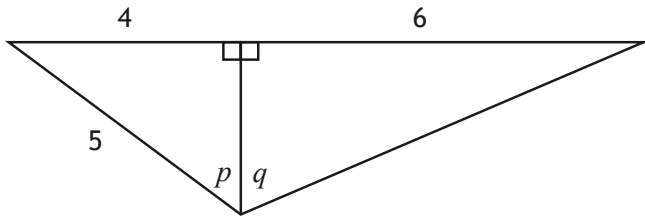

(a) Determine the value of:

   (i) $\cos p$ **1**

   (ii) $\cos q$.   **1**

(b) Hence determine the value of $\cos(p+q)$.   **3**