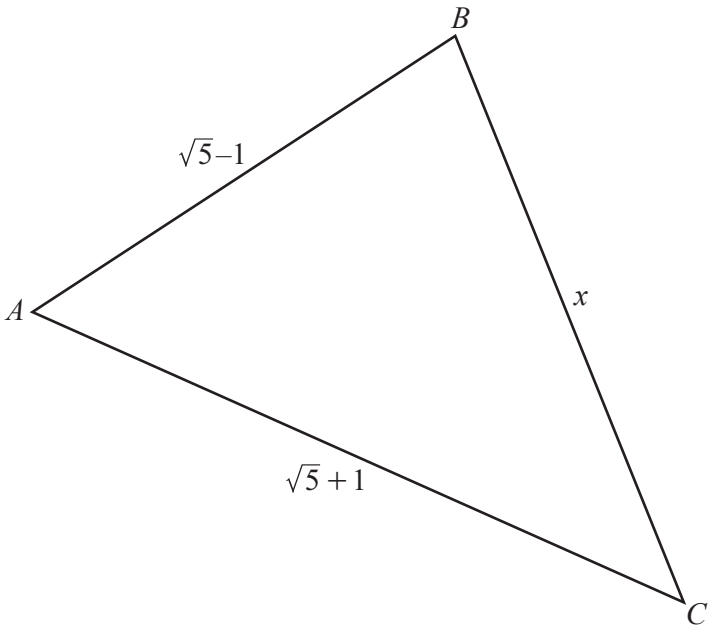
9 In this question all lengths are in centimetres.



The diagram shows triangle ABC which has area $\frac{2\sqrt{5}}{3}\text{cm}^2$. Angle A is acute.

(a) Find the exact value of $\sin A$. [3]

(b) Find the exact value of $\cos A$ and hence find the exact value of x. [5]

(c) Find the exact value of $\sin B$. [3]