3.2 – Sine Law in Acute Triangle

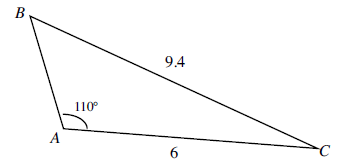
Labelling of acute triangles:

Looking at an acute triangle. Can you see two right triangles inside?



Ex 1. What does the triangle look like that corresponds to this equation?

Ex 2. Determine the measure of ∠ACB to the nearest degree.



Ex 3. A surveyor measures a base line PQ 440m long. He takes measurements of a landmark R from P and Q, and finds that ∠ QPR = 46ᵒ and ∠ PQR = 75ᵒ. Draw a diagram and calculate the perimeter of ΔPQR to the nearest metre.