

Q	Marking instructions	AO	Marks	Typical solution
4	<p>Uses the sine rule</p> <p>Or</p> <p>Substitutes correctly into the cosine rule</p>	1.1a	M1	$\frac{\sin \theta}{8.7} = \frac{\sin 38}{6.1}$ $\theta = 61.4$ $A = 180 - 61.4$ $= 118.58\dots$ $= 119^\circ$
	<p>Obtains a value of 61 or 61.410964... rounded or truncated</p> <p>Condone answer (in radians) of 1.0718... or 0.4364...</p> <p>PI by correct obtuse angle or 81</p> <p>Or</p> <p>Obtains correct length</p> <p>AB = 3.9367...</p> <p>Or $AB^2 = 15.4998\dots$</p>	1.1b	A1	
	<p>Deduces the largest angle is 119</p> <p>AWRT</p> <p>CAO</p>	2.2a	A1	
Question 4 Total			3	