Question			Answer	Marks	Guidance
1	(a)		$\frac{1}{2} \times 3 \times 4 \times \sin 30$	M1	
			$= 3$	A1 [2]	
	(b)		$AC^2 = 3^2 + 4^2 - 2\times3\times4\times\cos 30^\circ$ $(= 4.22)$	M1	or $AC = \sqrt{3^2 + 4^2 - 2\times3\times4\times\cos 30^\circ}$ Correct expression AC^2 or AC
			$AC = 2.05$ (3 sf)	A1 [2]	
	(c)		$\frac{\sin C}{3} = \frac{\sin 30}{\text{their}2.05}$ oe eg $\frac{\sin C}{3} = \frac{\sin 30}{\sqrt{4.22}}$	M1	Correct sin rule using their (b)
			$ACB = \sin^{-1}\left(\frac{3\sin 30}{\text{their}2.05}\right)$ $(= \sin^{-1}0.73\ldots)$	M1	Attempt inverse sine of $\frac{3\sin 30}{\text{their(b)}}$. May be implied by answer
			$3^2 = \text{`}2.05\text{'}^2 + 4^2 - 2\times\text{`}2.05\text{'}\times4\times\cos ACB$	M1	Correct cos rule using their (b)
			$ACB = \cos^{-1}\frac{\text{'}2.05\text{'}^2 + 4^2 - 3^2}{2\times\text{'}2.05\text{'}\times4}$	M1	Attempt inverse cos of $\frac{\text{'}2.05\text{'}^2 + 4^2 - 3^2}{2\times\text{'}2.05\text{'}\times4}$. May be implied by answer
			$ACB = 46.9^\circ$ or 47.0° or 47.1° (3 sf)	A1ft [3]	Allow 47° Condone premature rounding. FT their (b)