18	$(AC^2 =)\ 9.7^2 + 12.3^2 - 2 \times 9.7 \times 12.3 \times \cos 115$		5	M1 for the correct use of cosine rule
	$(AC^2 =)\ 346(.2\ldots)$ **or** $(AC =)\ \sqrt{346(.2....)}$ or 18.6…			A1 for 346 or $\sqrt{346(.2....)}$ or 18.6…
	$\frac{\sin x}{9.7} = \frac{\sin 115}{"\sqrt{346}"}$ oe or $9.7^2 = "\sqrt{346}"^2 + 12.3^2 - 2 \times "\sqrt{346}" \times 12.3 \times \cos x$ or $\frac{1}{2} \times 9.7 \times 12.3 \times \sin 115 = \frac{1}{2} \times 12.3 \times "\sqrt{346}" \times \sin x$ oe			M1 use of their *AC* dep on first M1 for correct use of sine rule **or** cosine rule **or** for setting up an equation using the area of a triangle formula to find sin *x*
	$\sin x = 9.7 \times \frac{\sin 115}{"\sqrt{346}"}$ oe or $\sin x = 0.47...$ or $\cos x = \frac{"\sqrt{346}"^2 + 12.3^2 - 9.7^2}{2 \times "\sqrt{346}" \times 12.3}$ or $\cos x = 0.88...$			M1 use of their *AC* dep on first M1 Allow $(x =)\sin^{-1}(....)$ or $(x =)\cos^{-1}(....)$
		28.2		A1 awrt
				Total 5 marks