20	$\left(BD^2 =\right)9.4^2+12.8^2-2\times9.4\times12.8\times\cos 72$ (= 177.8…) **or** $\left(BD^2 =\right)88.36+163.84-2\times9.4\times12.8\times\cos 72$ (=177.8…) oe **or** $\left(BD=\right)\sqrt{9.4^2+12.8^2-2\times9.4\times12.8\times\cos 72}$		5	M1	for applying cosine rule
		(BD =)13.3		A1	allow 13.3 – 13.342 or $\sqrt{177.8...}$ or $\sqrt{178}$
	eg $\frac{BC}{\sin 39}=\frac{"13.3..."}{\sin 54}$ **or** $\frac{\sin 39}{BC}=\frac{\sin 54}{"13.3..."}$			M1ft	for applying the sine rule, allow use of their BD
	$\left(BC=\right)\frac{"13.3..."}{\sin 54}\times\sin 39$			M1ft	for method to find BC using the sine rule allow use of their BD
	Correct answer scores full marks (unless from obvious incorrect working)	10.4		A1	allow 10.3 – 10.4
					Total 5 marks