Question			Answer	Marks	AO	Guidance	
1	(a)		$BC^2 = 6^2 + 15^2 - 2\times6\times15\times\cos30^o$	M1	1.1a	Attempt use of cosine rule	Allow either omission of 2, or + not –, but no other errors Allow other fully complete methods, such as basic trigonometry, possibly combined with Pythagoras
			$BC = 10.3$ cm	A1 [2]	1.1	Obtain 10.3cm, or better	If > 3sf then allow 10.25, or answers that round to 10.25 Condone no units
1	(b)		$\frac{\sin 30}{4} = \frac{\sin D}{6}$	M1	1.1	Attempt use of sine rule	Correct equation seen, with fractions either way up Could also be implied by method eg $\sin^{-1}(0.75)$ is **M1**, but just 0.75 is **M0** Allow other fully complete methods
			$D = 48.6^o$	A1	1.1	Obtain $D = 48.6^o$, or better	$D = 48.590377\ldots$ Allow $D = 0.848$ radians
			or $D = 131^o$	A1FT [3]	3.1a	Obtain $D = 131^o$, or better FT their first angle as long as $<150^o$	D = 131.409622… **A0** if additional angles given as well Allow $D = 2.29$ radians (could be FT on incorrect acute angle in radians, as long as $D < 2.618$)