Q	Marking instructions	AO	Marks	Typical solution
7	Select an appropriate method by either Using sine rule to find angle *BAC* or Using cosine rule to find *AC*	3.1a	M1	$\frac{\sin\theta}{7} = \frac{\sin 100°}{12}$ $\theta = 35.1°$ $ABC = 180° - 100° - 35.1°$ $ABC = 44.9°$ Shortest distance $= 7 \times \sin 44.9°$ $= 4.9$ cm
	Obtains AWRT 35.1 for angle *BAC* or AWRT 8.6 for *AC*	1.1b	A1	
	Forms an equation or expression to find the perpendicular distance from *C* to *AB*	3.1a	M1	
	Obtains AWRT 4.9 Condone missing units	1.1b	A1	
	Question 7 Total		**4**	