Question		n	Answer	Marks	AO	Guidance	
1	(a)		$AB^2 = 9.5^2 + 9.5^2 - 2(9.5)(9.5)\cos 25^\circ$	M1	1.1	Correct application of the cosine rule	Either in terms of AB or
						(or sine rule) or $2 \times 9.5 \sin(0.5 \times AOB)$	$AB^2$
			(AB =)4.11  cm	<b>A1</b>	1.1	Reminder – correct answer without	4.1123526
						working is 2 marks; incorrect answer	
						without working is 0	
				[2]			
1	<b>(b)</b>		Area = $\left(\frac{25}{360}\right)\pi(9.5)^2 - \frac{1}{2}(9.5)^2\sin 25^\circ$	M2	1.1	If M0 then SC B1 for either term	
			Area = $\left(\frac{1}{360}\right)^{n} (9.3)^{n} - \frac{1}{2} (9.3)^{n} \sin 23$		1.1	correct	
			$= 0.619 \text{ cm}^2$	<b>A1</b>	1.1	Reminder – correct answer without	0.61884656
						working is 3 marks; incorrect answer	
						without working is 0	
				[3]			