Question			Answer	Marks	AO	Guidance	
1	**(a)**		$2\left(1-\frac{1}{2}\theta^2\right)+\left(1-\theta\right)^2$	**B1**	**2.1**	Correct statement	First term could possibly already be expanded
			$2-\theta^2+1-2\theta+\theta^2$	**M1**	**2.1**	Attempt to expand and simplify given expression	
			$=3-2\theta$ **A.G.**	**A1**	**2.1**	Obtain given answer	Max of **M1A1** if neither $\left(1-\theta\right)^2$ nor $1-2\tan\theta+\tan^2\theta$ seen
				[3]			
	(b)		$3-2\theta=28\theta$	**M1**	**1.1a**	Use $28\sin\theta\approx28\theta$ and attempt to solve	
			$\theta=0.1$	**A1**	**1.1**	Obtain 0.1 oe	BOD if 0.1° ISW once 0.1 seen
				[2]			