3			$\left(1+\tan^2\theta\right)+2\tan\theta=4$ $\tan^2\theta+2\tan\theta-3=0$ $\left(\tan\theta-1\right)\left(\tan\theta+3\right)=0$ When $\tan\theta=1$, $\theta=45°,\ 225°$ When $\tan\theta=-3$, $\theta=108.4°,\ 288.4°$	**M1** **M1** **A1** **A1** **[4]**	**3.1a** **1.1a** **1.1b** **1.1b**	**DR** Using appropriate trig identity Showing algebraic method for solving their quadratic Any two correct values for θ All correct values for θ and no extras in the interval. Ignore values outside the required interval.	Must attempt to reach an equation with only one trig function eg $20\cos^4\theta-12\cos^2\theta+1=0$ Or $\sqrt{5}\sin\left(2\theta-63.4°\right)=1$