Question	Answer	Marks	Guidance
	correct $tan(A+B)$ formula and obtain an equation in $tan \alpha$ and $tan \beta$	M1	$\frac{\tan + \tan}{1 + \tan \tan} = 2$
	Substitute throughout for $ an lpha$ or for $ an eta$	M1	$\frac{3\tan + \tan}{1 \ 3\tan^2} = 2$
	Obtain $3\tan^2\beta + 2\tan\beta - 1 = 0$ or $\tan^2\alpha + 2\tan\alpha - 3 = 0$		OE e.g. $6 \tan^2 \beta + 4 \tan \beta - 2 = 0$ or $\frac{2}{3} \tan^2 \alpha + \frac{4}{3} \tan \alpha - 2 = 0$
	Solve a 3-term quadratic and find an angle	M1	
	Obtain answer $\alpha = 45^{\circ}$, $\beta = 18.4^{\circ}$	A1	$\frac{\pi}{4}$ or 0.785, 0.322
	Obtain answer $\alpha = 108.4^{\circ}$, $\beta = 135^{\circ}$	A1	1.89, $\frac{3\pi}{4}$ or 2.36. Answer in radians, max. A1A0 or vice versa. Ignore answers outside $[0^{\circ}, 180^{\circ}]$
		6	SC: If A0A0 allow SC B1 for both α 's or both β 's