

Q	Marking Instructions	AO	Marks	Typical Solution
3(a)	Explains that Jia should not have cancelled by $\cos\theta$ OE Or obtains solution $\cos\theta = 0$	2.3	E1	Jia should not have cancelled by $\cos\theta$
	Explains that Jia has omitted the other solution to $\cos\theta = 0.5$ OE	2.3	E1	Jia has forgotten a second solution to $\cos\theta = 0.5$
	Subtotal		2	
3(b)	Obtains any two correct solutions. Accept answer written in part (a)	1.1a	M1	$\theta = \pm 60^\circ$ and $\pm 90^\circ$
	Obtains four correct solutions and no extra ones	1.1b	A1	
	Subtotal		2	
	Question Total		4	