Q	Marking instructions	AO	Marks	Typical solution
7	Selects a method to solve $3\cos x - 1 = 0$ and $4\sin x + 2\cos x = 0$	3.1a	B1	$3\cos x - 1 = 0$ or $4\sin x + 2\cos x = 0$
	States $\cos x = \frac{1}{3}$ and obtains either AWRT 71 or AWRT 289	1.1a	M1	$\cos x = \frac{1}{3}$ $x = 71°, 289°$
	Obtains AWRT 71 and AWRT 289 and no others within the interval	2.1	A1	
	Uses $\frac{\sin x}{\cos x} = \tan x$ Or $\sin^2 x + \cos^2 x = 1$	1.1b	B1	$4\sin x = -2\cos x$ $\tan x = -\frac{1}{2}$ $x = -26.6$ $x = 153°, 333°$
	States $\tan x = -\frac{1}{2}$ or $\sin x = \pm\frac{1}{\sqrt{5}}$ or $\cos x = \pm\frac{2}{\sqrt{5}}$ and obtains either AWRT 153 or AWRT 333	1.1a	M1	
	Obtains AWRT 153 and AWRT 333 with no others within the interval.	2.1	A1	
	Question 7 Total		**6**	