2	(a) Show that the equation $6\cos^2 \alpha - \sin \alpha = 5$ can be written as	
	$6\sin^2\alpha + \sin\alpha - 1 = 0$	
		(2)
	(b) Solve, to 1 decimal place where appropriate, for $0 \le \theta \le 90$	
	$6\cos^2(2\theta + 40)^\circ - \sin(2\theta + 40)^\circ = 5$	(5)
		(5)
••••		

Question 2 continued			
	(Total for Question 2 is 7 marks)		

