6	The equation $x^2 + px + 1 = 0$ has roots α and β	
	(a) Find, in terms of p , an expression for	
	(i) $\alpha + \beta$	
	(ii) $\alpha^2 + \beta^2$	
	(iii) $\alpha^3 + \beta^3$	
		(6)
	(b) Find a quadratic equation, with coefficients expressed in terms of p , which has roots α^3 and β^3	
		(2)

Question 6 continued			
	(Total for Question 6 is 8 marks)		

