## **Answer all TEN questions**

## Write your answers in the spaces provided

	You must write down all the stages in your working			
1	The region enclosed by the curve with equation $y = 4x^2 - 9$ , the positive x-axis and the negative y-axis is rotated through 360° about the x-axis.			
	Use algebraic integration to find, to 3 significant figures, the volume of the solid generated.			
	generated.	(5)		

Question 1 continued			
(To	tal for Question 1 is 5 marks)		
(10	war for Agenton 1 is 2 marks)		

