2	Sand is poured onto horizontal ground at a rate of 50 cm ³ /s. The sand forms a right circular cone with its base on the ground. The volume of the cone increases in such a way that the radius of the base is always three times the height of the cone. Find the rate of change, in cm/s to 3 significant figures, of the radius of the cone when the radius is 10 cm. (5)		

Question 2 continued			
	(Total for Question 2 is 5 marks)		

