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6	The volume of a sphere with radius r cm is increasing at a constant rate of $3 \text{ cm}^3/\text{s}$.		
	Find the rate, in cm ² /s, at which the surface area of the sphere is increasing when $r = 10$		
		(6)	

12



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

