7	The length of each side of a cube S_1 is increasing at a constant rate of 0.1 m/s.							
	(a) Find, in m^3/s , the rate of increase of the volume of the cube S_1 when the length of each side of the cube is 2m .							
		(4)						
	The total surface area of a different cube S_2 is increasing at a constant rate of $0.05 \mathrm{m}^2/\mathrm{s}$.							
	(b) Find in m^3/s , the rate of increase of the volume of the cube S_2 when the length of each side of the cube is 6 m.							
		(5)						

Ques	stion 7 continued		



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Question 7 continued								

