

10 The volume of a sphere is increasing at a constant rate of $40 \text{ cm}^3/\text{s}$.

Find the rate of increase, in cm^2/s , of the surface area of the sphere at the instant when the radius is 4 cm.

(9)

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Question 10 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 10 is 9 marks)

