

- 3 The radius of a circular pool of oil is increasing at a constant rate of 0.5 cm/s .

Find, in cm^2/s to 3 significant figures, the rate at which the area of the pool is increasing when the radius of the pool is 200 cm .

(5)

DO NOT WRITE IN THIS AREA

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Question 3 continued**(Total for Question 3 is 5 marks)**

P 4 8 4 0 8 A 0 7 3 6