(6)

3

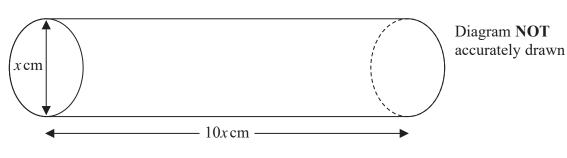


Figure 2

Figure 2 shows a solid right circular cylindrical metal rod.

The diameter of the rod is x cm and the length of the rod is 10x cm.

The rod is being heated so that the length of the rod is increasing at a rate of 0.005 cm/s.

Find the rate of increase, in cm<sup>3</sup>/s to 2 significant figures, of the volume of the rod when x = 3

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Qu	nestion 3 continued
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	(Total for Question 3 is 6 marks)

