

4

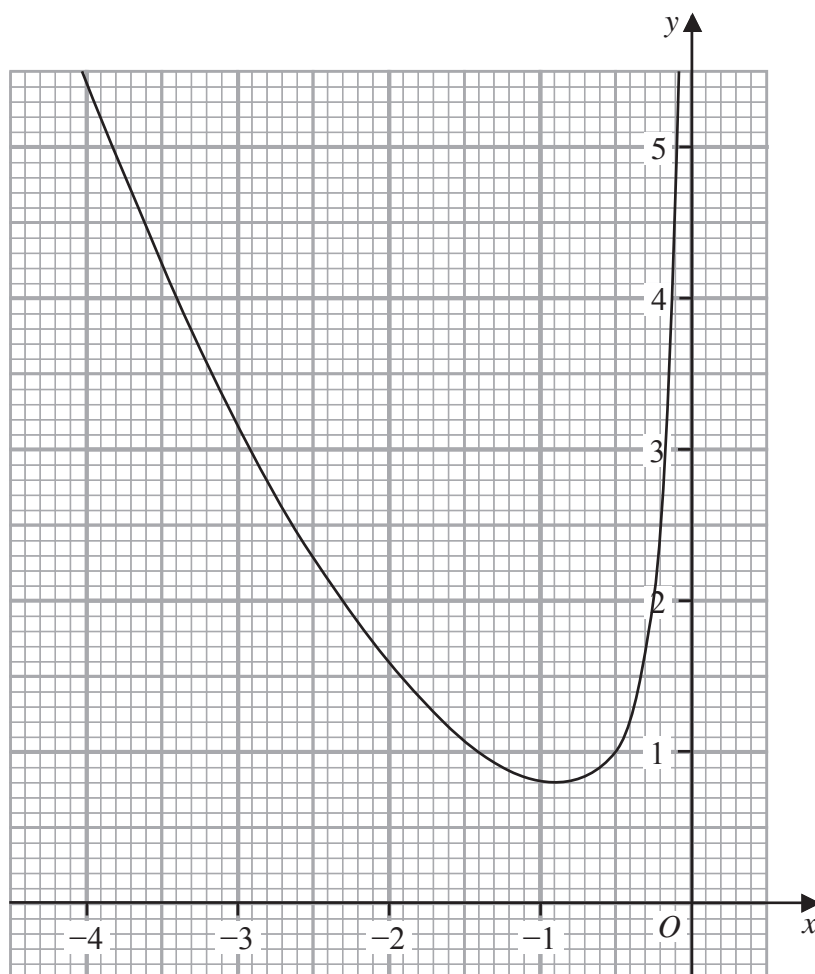
**Figure 2**

Figure 2 shows part of the curve with equation $y = \frac{x^2}{3} - \frac{1}{2x}$ for $-4 < x < 0$

By drawing a suitable straight line on the grid, obtain estimates, to one decimal place, of the roots of the equation $4x^3 + 3x^2 - 36x - 6 = 0$ in the interval $-4 < x < 0$

(4)

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DO NOT WRITE IN THIS AREA

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Question 4 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 4 is 4 marks)

