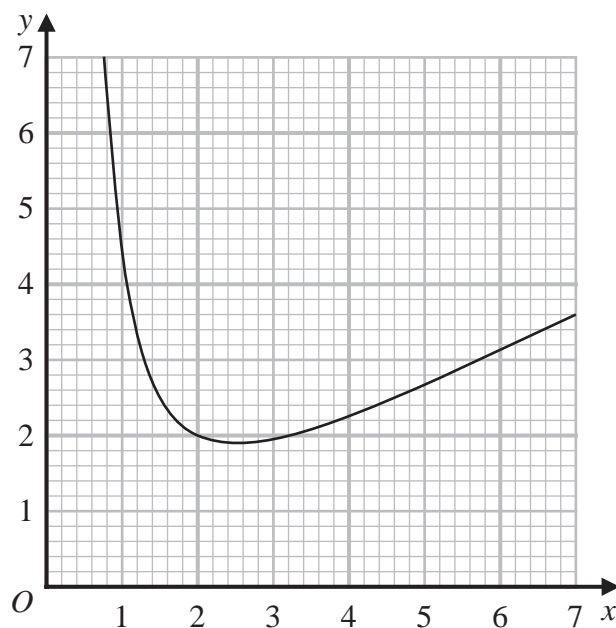


3



### Figure 1

Figure 1 shows part of the curve with equation  $y = \frac{x}{2} + \frac{4}{x^2}$  in the interval  $0.8 < x < 7$

By drawing a suitable straight line on the grid, obtain an estimate, to one decimal place, of the roots of the equation  $3x^3 - 12x^2 + 8 = 0$  in the interval  $0.8 < x < 7$

(5)

**DO NOT WRITE IN THIS AREA**

**DO NOT WRITE IN THIS AREA**

**DO NOT WRITE IN THIS AREA**



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

**Question 3 continued**

Handwriting practice area with horizontal dotted lines.

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

