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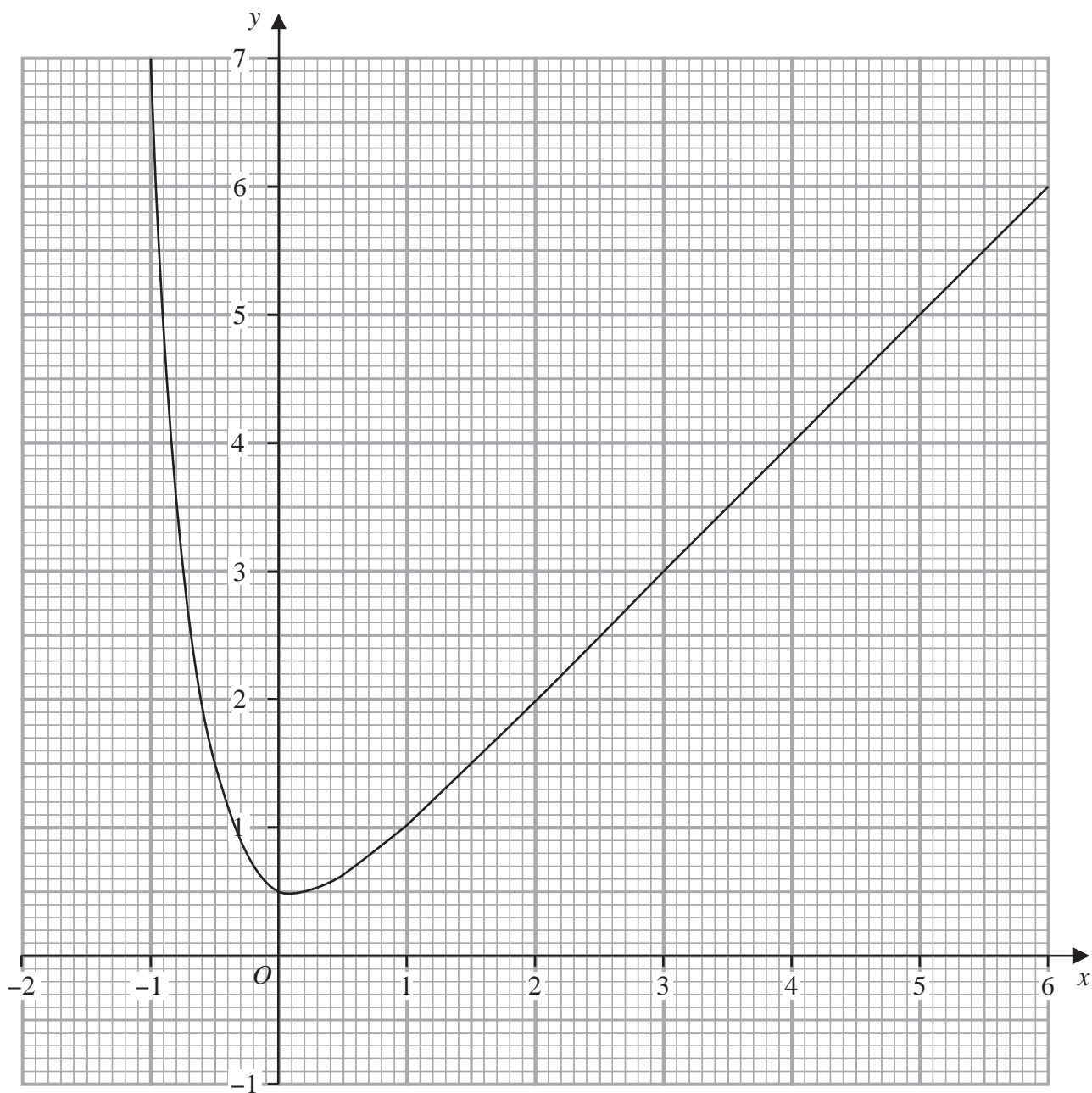
**Figure 1**

Figure 1 shows part of the graph of the curve with equation  $y = x + 2^{-(4x+1)}$

By drawing a suitable straight line on the graph, obtain an estimate, to one decimal place, of the roots of the equation  $\log_2(8 - 3x) + 4x = 0$  in the interval  $-2 \leq x \leq 6$

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**Question 6 continued**

Handwriting practice area with horizontal dotted lines.

**(Total for Question 6 is 7 marks)**

