**5** (a) Complete the table of values for $y = 2x^3 - 5x + 3$

| $x$ | $-2$ | $-1.5$ | $-1$ | $-0.5$ | 0 | 0.5 | 1 | 1.5 | 2 |
|-----|------|--------|------|--------|---|-----|---|-----|---|
| $y$ |      | 3.75   | 6    | 5.25   | 3 | 0.75 |  | 2.25 |   |

**(2)**

(b) On the grid opposite, plot the points from your completed table and join them to form a smooth curve.

**(2)**

(c) By drawing a suitable straight line on your grid, find estimates to one decimal place, for the solutions of the equation $2x^3 - 5x + 3 = 2$ in the range $-2 \leqslant x \leqslant 2$
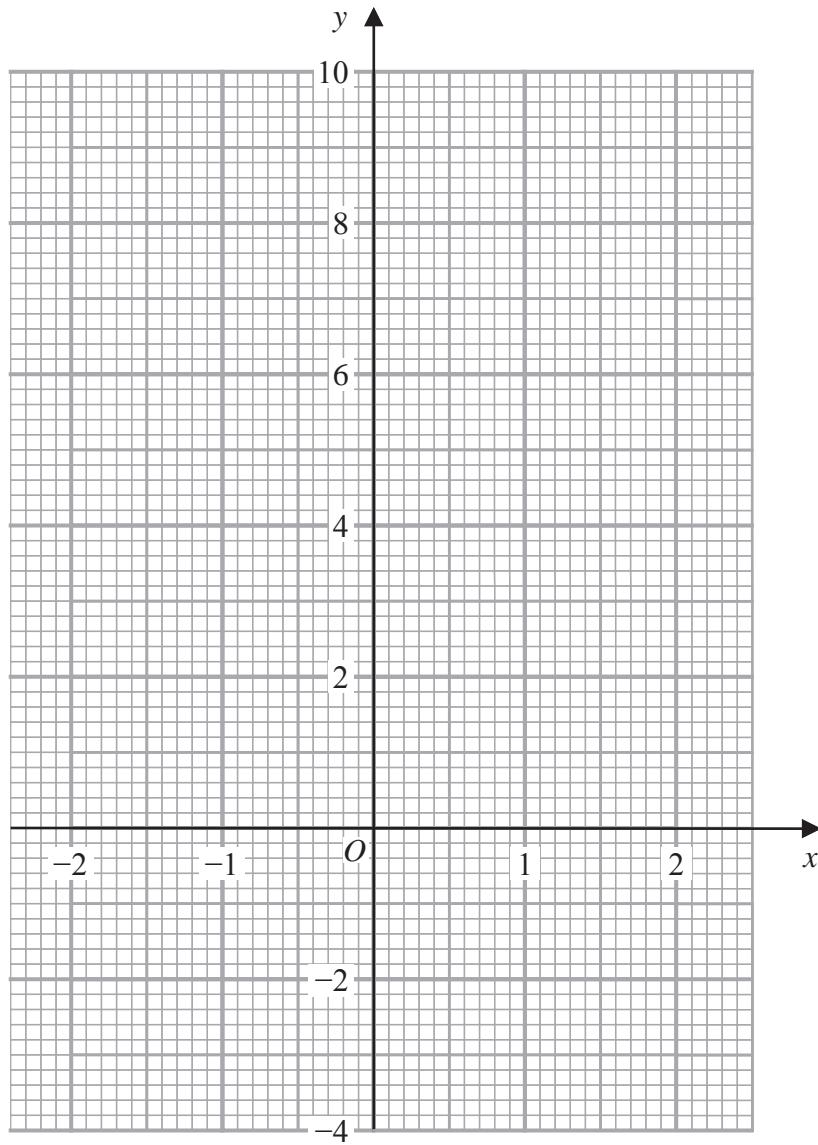
**(2)**

**Question 5 continued**



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**(Total for Question 5 is 6 marks)**