

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

x	-1.5	-1	-0.5	0	0.5	1	1.5
y	-0.25		3.25	2		1	4.25

(2)

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

(3)

- (c) Using your curve, find estimates, to 1 decimal place, of the solutions of the equation $4x^3 - 6x + 1 = 0$

(3)

- (d) By drawing a suitable straight line on your grid, find an estimate, to 1 decimal place, for the range of values of x for which $2x^3 + x + 1 > 0$

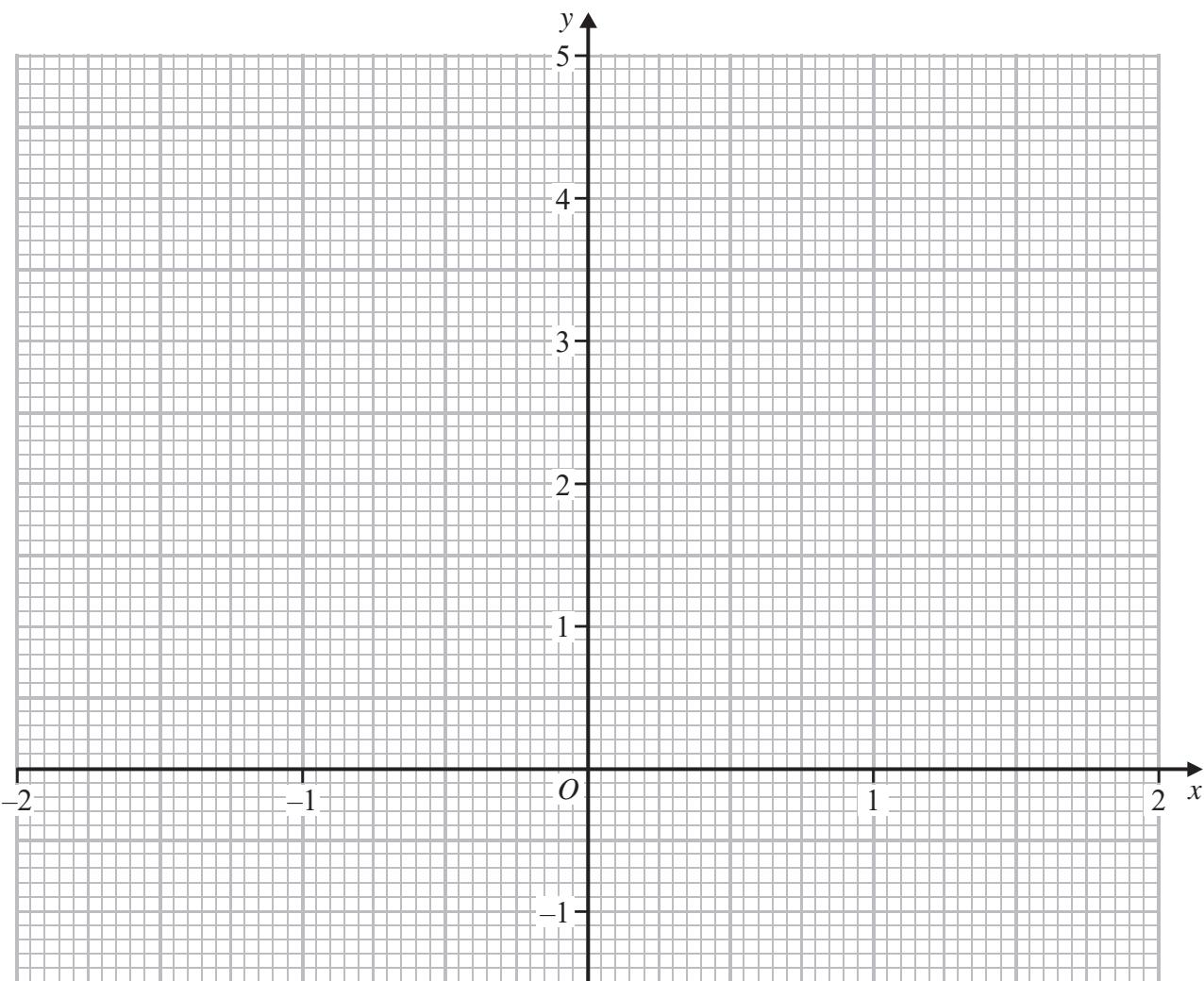
(4)

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Question 8 continued

Turn over for a spare grid if you need to redraw your curve.



Question 8 continued

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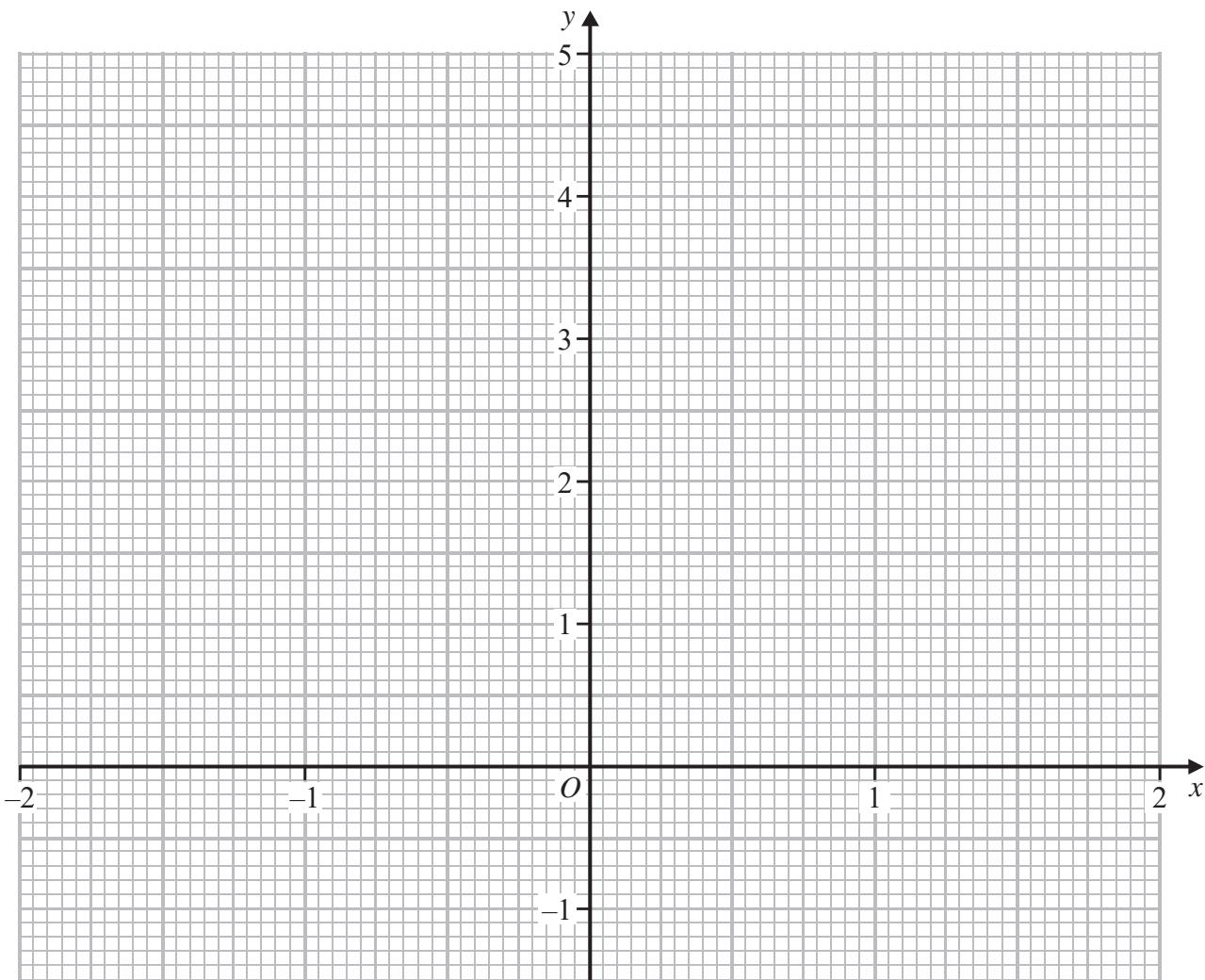
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Question 8 continued

Only use this grid if you need to redraw your curve.



(Total for Question 8 is 12 marks)

