2 (a) Complete the table of values for $y = x^2 - 3x + 1$

x	−1	0	1	2	3	4	5
y			−1		1	5	

(2)

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

(2)

(c) Use your graph to find an estimate for the minimum value of *y*.

(1)

(d) Use your graph to find estimates, to one decimal place, for the solutions of the equation $x^2 - 3x + 1 = 0$

(1)

(e) By drawing a suitable straight line on your grid, find estimates, to one decimal place, for the solutions of the equation $x^2 - 4x + 2 = 0$

(3)

Question 2 continued
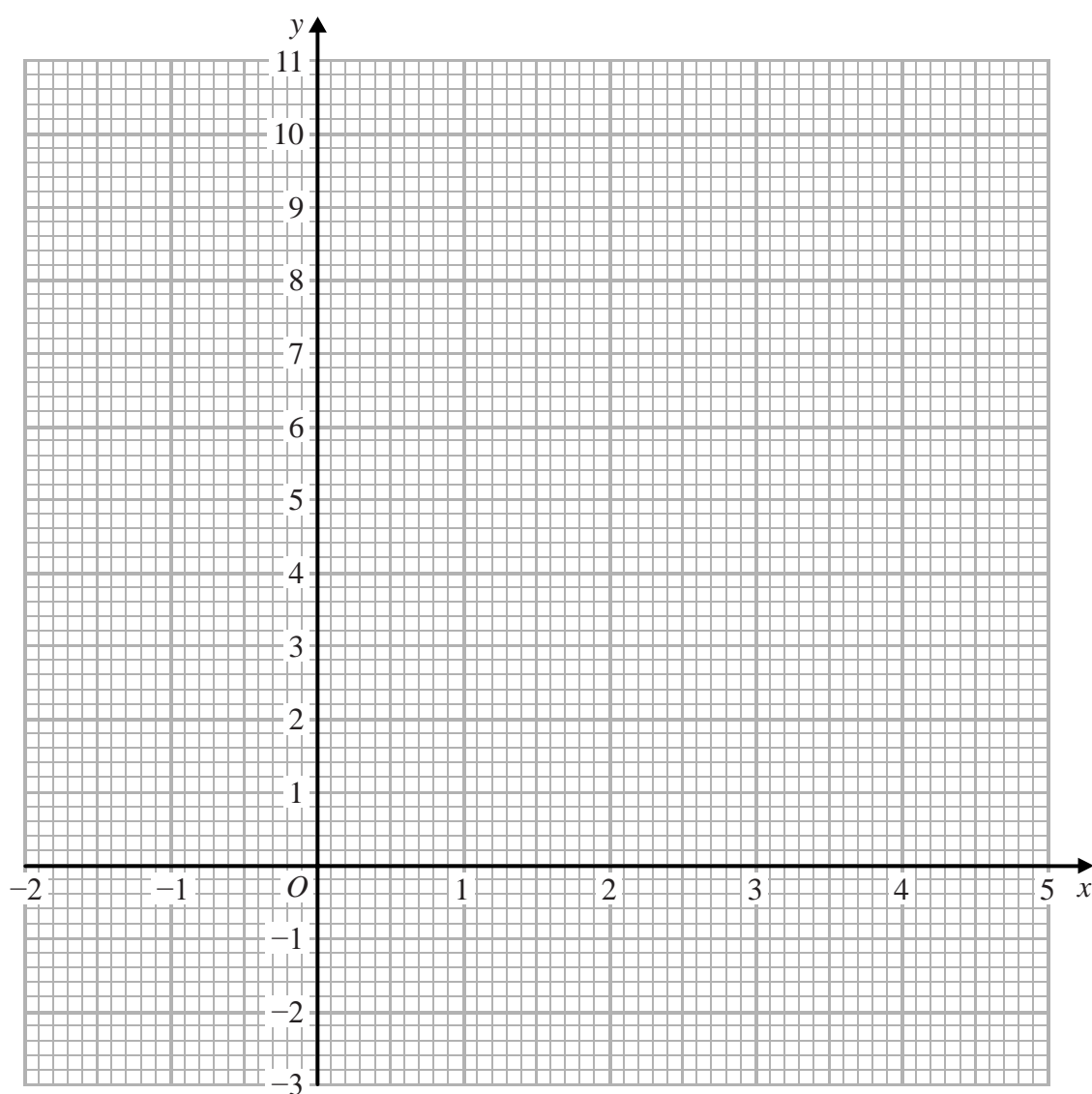
Turn over for a spare grid if you need to redraw your graph.

Question 2 continued

Question 2 continued

Only use this grid if you need to redraw your graph.
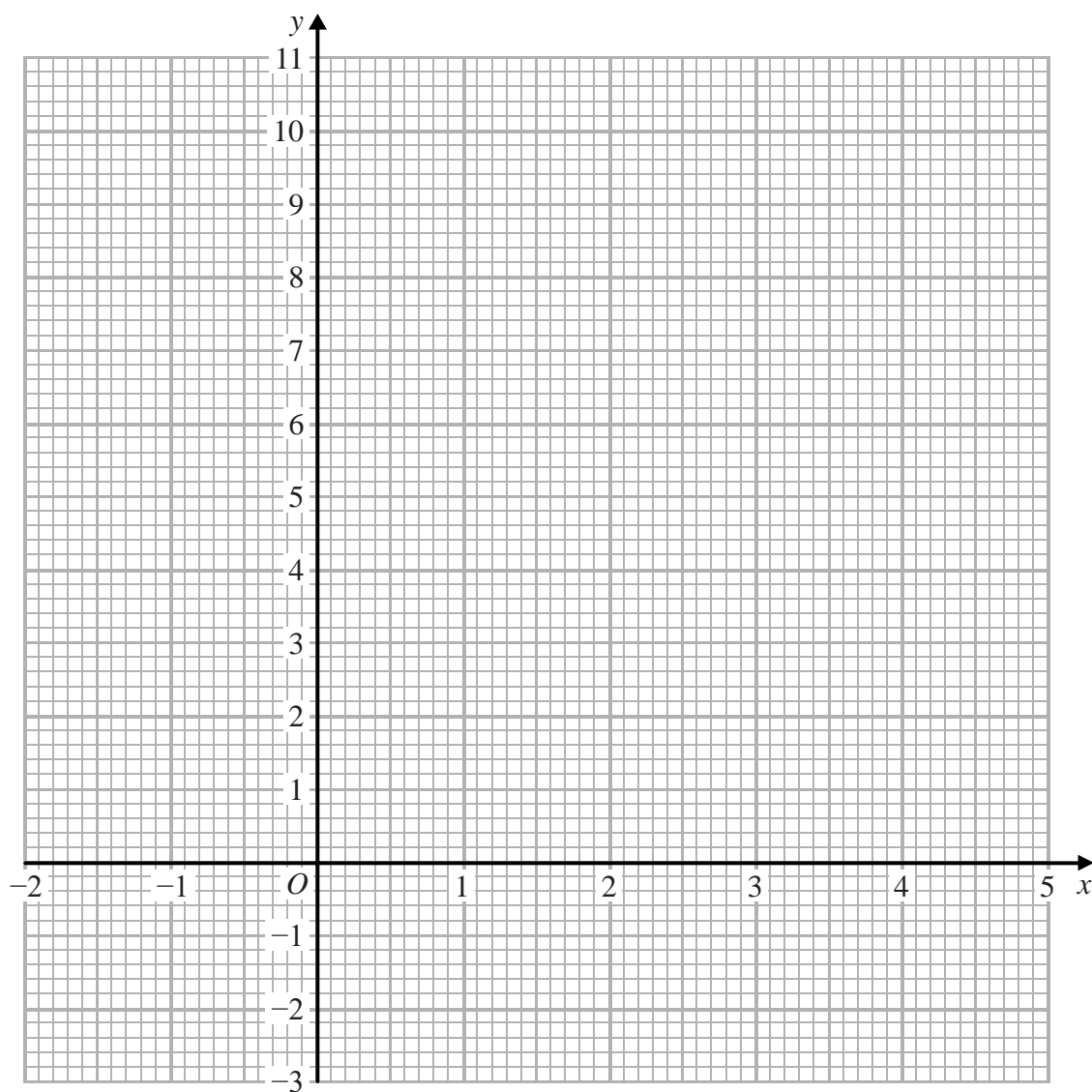
(Total for Question 2 is 9 marks)