

6

$$y = e^x(x^2 - 3x)$$

Show that $y - 2\frac{dy}{dx} + \frac{d^2y}{dx^2} = 2e^x$

(8)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Question 6 continued

DO NOT WRITE IN THIS AREA

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DO NOT WRITE IN THIS AREA

(Total for Question 6 is 8 marks)