

5

$$y = e^{2x}(x^2 - 5x)$$

Show that  $2e^{2x} = \frac{d^2y}{dx^2} - 4\frac{dy}{dx} + 4y$

(7)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



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Question 5 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 5 is 7 marks)



P 7 6 5 0 8 A 0 1 1 3 2