

5 Given that $y = 2e^x(3x^2 - 6)$

show that $\frac{d^2y}{dx^2} - 2\frac{dy}{dx} + y = 12e^x$

(7)

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Question 5 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 5 is 7 marks)

P 5 3 2 9 2 A 0 1 1 3 6