

4 Given that $y = e^{2x} \sqrt{x+1}$

show that $\frac{dy}{dx} = \frac{e^{2x}(4x+5)}{2\sqrt{x+1}}$

(6)

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Question 4 continued**(Total for Question 4 is 6 marks)**

P 4 6 2 4 1 A 0 7 3 6