| 3  | Given that $y = e^{3x} \sin 2x$                     |     |
|----|---|-----|
| sl | how that $13y + \frac{d^2y}{dx^2} = 6\frac{dy}{dx}$ | (0) |
|    |   | (8) |
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| Question 3 continued |                                   |
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|                      | (Total for Question 3 is 8 marks) |

