| 3 | (a) | Find the full binomial expansion of $(1 + x)^5$, giving each coefficient as an integer. | (2) |
|---|-------|--|-----|
| | (b) ! | Hence find the exact value of $(1 - 2\sqrt{3})^5$, giving your answer in the form $a + b\sqrt{3}$, where a and b are integers. | |
| | | | (3) |
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| Question 3 continued | | | |
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| | (Total for Question 3 is 5 marks) | | |

