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| **Topic 2: Functions** | **Composition of Functions** | |
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| 1. The functions and are defined by and       1. Show that .    2. Given that , find the value of . | | (2 marks)  (3 marks) |
| Mark scheme:         1. Attempt to substitute in 8 (seen anywhere).  Correct equation: | | (M1)      (A1)  (AG)  (M1)  (A1)  (A1) |