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| **Topic 4: Functions** | **Inverse of a function, Domain & Range of a function** | |
|  | | |
| Given the function for .  (a) Find the range of .  (b) Find the value of . | | [3 marks] |
| Mark scheme:  (a)  The range is  \*\*Note: Award at most A1 A1 A0 if strict inequalities are used.  (b) Either:  Sketch of and or sketch of and  **or**  finding the correct expression for  **or**    **Or**    **Then** | | (A1) A1 A1   [3 marks]  (M1)  (M1)  (M1)  (M1)  (A1)  [2 marks] |