Boundary Conditions

Example

Find in terms of , given that , and that and at .

Test Your Understanding

1. Find the value of for which is a particular integral of the differential equation **(4 marks)**
2. Using your answer to part (a), find the general solution of the differential equation **(3 marks)**

(c) Given that at and , find the particular solution to this differential equation, giving your solution in the form **(5)**

(d) Sketch the curve with equation for **(2)**

1. Find the general solution of the differential equation

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