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| **Name:****Sequence Number:****Teacher's Name:** **Section:** **Note: Only simple calculator is allowed.** |

***Note*: *The exam consists of 6 pages***

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| --- | --- |
| **Question** | **Mark** |
| **Question I** |  |
| **Question II** |  |
| **Question III** |  |
| **Total** |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Question I: Choose the correct answer, then fill in the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Question Number | 1 | 2 | 3 | 4 | 5 |
| Answer |  |  |  |  |  |

  (1) equals(a) (b) (c) (d) None of the previous |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(2) equals(a) (b) (c) 1 (d) None of the previous\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(3) equals(a) (b) (c) (d) None of the previous\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(4) equals(a) (b) (c) (d) None of the previous\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(5) If then equals(a) (b) (c) (d) None of the previous |
| Question II:A. Use logarithmic differentiation to find if .B. Use the following reduction formula to evaluate   |
| Question III: Evaluate the following integrals(1) (2)  |
|  (3)    (4)  (5) (6)  Good Luck☺ |