**21B Antiderivatives**

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| 1. Given , find *y* in terms of *x*. | If , then   * is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of . * is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of . |
| **Indefinite Integral**    If , then ­­­­­­­­­­­    2. Find an antiderivative of .  3**.** If , find . Hence find . | Rules for Integration (antiderivative)-you can find these in the IB formula booklet. |
|  |  |

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a. If , find  b. Evaluate  c. Find  if 

**Differentiate each function with respect to x.**

1.  2. 

3.  4. 

5.  6. 

**Given , find **

1.  2. 
2.  4. 
3.  6. 
4.  8. 
5.  10. 