AP Calculus Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Int. of Rational Functions by Partial Fractions Additional Techniques of Integration Day 2

Evaluate the integral

|  |  |
| --- | --- |
| 1.  | 2.  |
| 3.  | 4.  |

Evaluate the integral

|  |  |
| --- | --- |
| 5.  | 6.  |
| 7.  | 8.  |

**Answer key:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. |   | 2. |   |
| 3. |   | 4. |  |
| 5. |   | 6. |   |
| 7. |   | 8. |   |

AP Calculus Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Int. of Rational Functions by Partial Fractions Additional Techniques of Integration Day 2

Review Questions:

|  |  |
| --- | --- |
| 1. For a function to be continuous at , what three conditions must be met? 1.2.3. | 2. Using h below, for what values of x is h not continuous? Justify your answer.  |
| 3. Which of the following functions are continuous for all real numbers x?

|  |  |
| --- | --- |
| A. | None |
| B. | I only |
| C. | II only |
| D. | I & II only |
| E. | I & III only |

 | 4.

|  |  |
| --- | --- |
| A. | -2 |
| B. | -1 |
| C. |   |
| D. | 0 |
| E. | nonexistent |

 |