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 | |