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

Integration By Parts (1) Additional Techniques of Integration Day 3

Evaluate the integral

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

Evaluate the integral

|  |  |
| --- | --- |
| 7.  | 8.  |
| 9.  | 10.  |

**Review:**

11. For what value(s) of the constant c is the function g(x) continuous over all real numbers?



12. If the function f is a continuous function , and if  when , then what is the value of ?

**Answers:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. |   | 5. |    | 9. |   |
| 2. |   | 6. |   | 10. |   |
| 3. |   | 7. |   | 11. |   |
| 4. |   | 8. |   | 12. |   |