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. |  |