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

Supplement: Integration By Parts (2) Additional Techniques of Integration Day 5

Evaluate the integral

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

Evaluate the integral

|  |  |
| --- | --- |
| 9.  | 10.  |
| 11.   | 12.   |
| 13.   | 14.   |

**Answers:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. |  (u-substitution) | 2. |  (Parts) |
| 3. |  (PFD) | 4. |  (u-substitution) |
| 5. |  (Parts) | 6. |  (Parts) |
| 7. |  (u-substitution) | 8. |  (Trig. all even) |
| 9. |  (Trig. Odd) | 10. |  (u-substitution) |
| 11. |  (simplify & integrate) | 12. |  (traditional division) |
| 13. |  (Parts) | 14. |  (u-substitution |