**Properties of Definite Integrals**

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| --- | --- |
| General Property: | Warm up: |
| Subdivision Rule: If any number C such that ,Then  | Example 1) |
| Dominant Rule: If f and g are integrable on the closed interval [a, b] and ,  | Example 2)Given and ,evaluate1.
2.
 |
|  | 1.
 |
| Example 3) Given , Evaluate  |  |
|  |  |

**Application WS #2 Name:\_\_\_\_\_\_**

1.



2. Evaluate each definite integral using geometric formulas.



3. Evaluate the definite integral of .

4. Evaluate the definite integral of 