Section 5.5 Substitution Rule

# Topic 1: Indefinite Integrals

**Theorem: Substitution Rule for Indefinite Integrals**

Let , where  is continuous on an interval, and let *f* be continuous on the corresponding range of *g*. On that interval,

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# Topic 2: Definite Integrals

**Theorem: Substitution Rule for Definite Integrals**

Let , where  is continuous on , and let *f* be continuous on the range of *g*. Then,

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