

**Enduring Understandings**

(Students will understand that...)

**EU 3.3:** The Fundamental Theorem of Calculus, which has two distinct formulations, connects differentiation and integration.

**Learning Objectives**

(Students will be able to...)

**LO 3.3B(a):** Calculate antiderivatives.

**LO 3.3B(b):** Evaluate definite integrals.

**Essential Knowledge**

(Students will know that...)

**EK 3.3B5:** Techniques for finding antiderivatives include algebraic manipulation such as long division and completing the square, substitution of variables, **(BC)** integration by parts, and nonrepeating linear partial fractions.