

**TOPIC: INTEGRALS OF OTHER TRIG FUNCTIONS**

**Example: Integrals of Tangent & Cotangent**

**EXAMPLE**

Find the following antiderivatives.

(A)  $\int \tan x \, dx$

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(B)  $\int \cot x \, dx$

## **TOPIC: INTEGRALS OF OTHER TRIG FUNCTIONS**

### **Example: Integrals of Secant & Cosecant**

#### **EXAMPLE**

Find the following antiderivatives.

(A)

$$\int \sec x \, dx$$

*Hint: Multiply by  $\frac{\sec x + \tan x}{\sec x + \tan x}$*

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(B)

$$\int \csc x \, dx$$

*Hint: Multiply by  $\frac{\csc x + \cot x}{\csc x + \cot x}$*