

8.3 Trigonometric integrals (A non-AP topic)

Look for both a function and its derivative in the integrand so you can do u substitution.

ex. $\int \tan x \sec^2 x \, dx$

$$\text{ex. } \int \sin^3 x \cos^4 x \, dx$$

ex. $\int \cos^5 x \, dx$

ex. $\int \sec^4 x \tan^3 x \, dx$

ex. $\int \sec^4 x \tan^4 x \, dx$

ex. $\int \frac{\sec x}{\tan^2 x} dx$

ex. $\int \tan^2 x \, dx$