

Trigonometric Product Integrals

For problems 1 – 4, evaluate the integral.

1. $\int \tan^3 x \sec^5 x \, dx$

2. $\int \sin^5 x \cos^3 x \, dx$

3. $\int \csc^6(2x) \, dx$

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