

Worksheet: Integrals of powers of sin and cos

Compute these integrals with a group, if possible!

A.
$$\int_{\pi/4}^{\pi/3} \cos^4 x \sin x \, dx =$$

B.
$$\int \cos^3 x \sin^4 x \, dx =$$

C.
$$\int \sin^2(4x) \, dx =$$

D.
$$\int e^{\sin x} \cos^3 x \, dx =$$

E.
$$\int \sin 2x \cos x \, dx =$$

Worksheet: Various trigonometric integrals

Compute these integrals with a group, if possible!

A. $\int \tan(4x) dx =$

B. $\int \sec^2 x \tan^3 x dx =$

C. $\int_0^\pi \sin(4x) \cos(3x) dx =$

D. $\int \tan^4 t dt =$

E. $\int \sec(2x) dx =$