$\int \frac{(\cos x\, dx)}{(\sqrt{(a^2-b^2\cos^2 x)})} = \frac{1}{b}\ln\left\lvert(b\sin x+\sqrt{(a^2-b^2\cos^2 x)})\right\rvert + k$
$\int cosx\,\sqrt{(a^2+b^2\cos^2 x)}\,dx = \frac{sinx}{2}\sqrt{(a^2+b^2\cos^2 x)} + \frac{(a^2+b^2)}{2b}\sin^{-1}\frac{(b\,sinx)}{(\sqrt{(a^2+b^2)})} + k$
$\int \frac{(\cos 2x)}{(\cos x)}\,dx = 2\sin x - \ln\left\lvert(\tan(\frac{\pi}{4}+\frac{x}{2}))\right\rvert + c$
$\int \frac{(\cos 2x)}{(\cos x)}\,dx = 2\sin x - \ln\left\lvert(\tan(\frac{\pi}{4}+\frac{x}{2}))\right\rvert + c$
$\int \frac{(\cos 2x)}{(\cos^2 x)}\,dx = 2x - \tan x + c$
$\int \frac{(\cos 2x)}{(\cos^3 x)}\,dx = \frac{-(\sin x)}{(2\cos^2 x)} + \frac{3}{2}\ln\left\lvert(\tan(\frac{\pi}{4}+\frac{x}{2}))\right\rvert + c$
$\int \frac{(\cos 2x)}{(\cos^n x)}\,dx = \frac{-(\sin x)}{((n-1)\cos^{-1} x)} + \frac{n}{(n-1)}\int \frac{dx}{(\cos^{(n-2)} x)}$
$\int \frac{(\cos^2 x)}{(\cos 2x)}\,dx = \frac{x}{2} - \frac{1}{4}\ln\left\lvert(\frac{(1-\tan x)}{(1+\tan x)})\right\rvert + c$
$\int \frac{(\cos^3 x)}{(\cos 2x)}\,dx = \frac{1}{2}\sin x + \frac{1}{(4\sqrt{(2)})}\ln\left\lvert(\frac{(1-\sqrt{(2)}sinx)}{(1+\sqrt{(2)}sinx)})\right\rvert + c$
$\int \frac{(\cos^n x)}{(\cos 2x)}\,dx = \frac{1}{2}\int \cos^{(n-2)} x\,dx + \frac{1}{2}\int \frac{(\cos^{(n-2)} x)}{(cos2x)}\,dx$
$\int \frac{(\cos 3x)}{(cosx)}\,dx = \sin 2x - x + c$
$\int \frac{(cos3x)}{(\cos^2 x)}\,dx = 4\sin x - 3\ln\left\lvert(\tan(\frac{\pi}{4}+\frac{x}{2}))\right\rvert + c$
$\int \frac{(\cos 3x)}{(\cos^3 x)}\,dx = 4x - 3\tan x + c$
$\int \frac{(\cos 3x)}{(\cos^n)}\,dx = 4\int \frac{dx}{(\cos^{(n-3)} x)} - 3\int \frac{dx}{(\cos^{(n-1)} x)}$

Integrals Containing Sin & Cos Function