$$\int \frac{(\sin ax)}{(\cos^n ax)}dx = \frac{1}{(a(n-1)\cos^{(n-1)} ax)} + c$$

$$\int \frac{(\sin^2 ax)}{(\cos ax)}dx = \frac{-1}{a}(\sin ax) + \frac{1}{a}\ln\tan[\frac{\pi}{4} + \frac{ax}{2}] + c$$

$$\int \frac{(\sin^2 ax)}{(\cos^3 ax)}dx = \frac{1}{a}\{\frac{(\sin ax)}{(2\cos^2 ax)} - \frac{1}{a}\ln\tan[\frac{\pi}{4} + \frac{ax}{2}]\}$$

$$\int \frac{(\sin^2 ax)}{(\cos^n ax)}dx = \frac{(\sin ax)}{(a(n-1)\cos^{(n-1)} ax)} - \frac{1}{(n-1)}\int \frac{dx}{(\cos^{(n-2)} ax)}$$

$$\int \frac{(\sin^3 ax)}{(\cos ax)}dx = \frac{-1}{a}[\frac{(\sin^2 ax)}{2} + \ln\cos ax] + c$$

$$\int \frac{(\sin^3 ax)}{(\cos^2 ax)}dx = \frac{1}{a}[\cos ax + \frac{1}{(\cos ax)}] + c$$

$$\int \frac{(\sin^3 ax)}{(\cos^n ax)}dx = \frac{1}{a}\{\frac{1}{((n-1)\cos^{(n-1)} ax)} - \frac{1}{((n-3)\cos^{(n-3)} ax)}\} + c$$

$$\int \frac{(\sin^n ax)}{(\cos ax)}dx = \frac{-(\sin^{(n-1)} ax)}{(a(n-1))} + \int \frac{(\sin^{(n-2)} ax)}{(\cos ax)}dx$$

$$\int \frac{(\cos ax)}{(\sin^n ax)}dx = \frac{-1}{(a(n-1)\sin^{(n-1)} ax)} + c$$

$$\int \frac{(\cos^2 ax)}{(\sin ax)}dx = \frac{1}{a}(\cos ax + \ln\tan(\frac{ax}{2})) + c$$

$$\int \frac{(\cos^2 ax)}{(\sin^3 ax)}dx = \frac{-1}{2\mathrm{a}}[\frac{(\cos ax)}{(\sin^2 ax)} - \ln\tan\frac{(ax)}{2}] + c$$

$$\int \frac{(\cos^2 ax)}{(\sin^n ax)}dx = \frac{-1}{(n-1)}[\frac{(\cos ax)}{(a\sin^{-1} ax)} + \int \frac{dx}{(\sin^{(n-2)} ax)}]$$

$$\int \frac{(\cos^3 ax)}{(\sin ax)}dx = \frac{1}{a}[\frac{(\cos^2 ax)}{2} + \ln\sin ax] + c$$

$$\int \frac{(\cos^3 ax)}{(\sin^2 ax)}dx = \frac{-1}{a}[\sin ax + \frac{1}{(\sin ax)}] + c$$

$$\int \frac{(\cos^3 ax)}{(\sin^n ax)}dx = \frac{1}{a}[\frac{1}{((n-3)\sin^{(n-2)} ax)} - \frac{1}{((n-1)\sin^{(n-1)} ax)}] + c$$

$$\int \frac{(\cos^n ax)}{(\sin ax)}dx = \frac{(\cos^{(n-1)} ax)}{(a(n-1))} + \int \frac{(\cos^{(n-2)} ax)}{(\sin ax)}dx$$