(IX) $\int \tan^m x \sec^{2n} x \, dx$; $\int \cot^m x \operatorname{cosec}^{2n} x \, dx$ m,n

- $\tan x = t$
- $\cot x = t$

(X) $\int \tan^{2m+1} x \cdot \sec^{2n+1} x \, dx$ $m, n \in I^+$

- $\sec x = t$

(XI) $\int \sin^m x \cos^n x \, dx$; $m, N \in N$

- m is odd +ve : put $\cos x = t$
- n is odd +ve : put $\sin x = t$
- m, n both odd +ve : put $\cos x = t$ or $\sin x = t$
- m, n both even +ve : Multiple Angle

(XI) $\int \sin^m x \cos^n x \, dx$; $m, n \in Q$: $(m+n)$ is a -ve Integer

- Change the integrant in terms of $\tan x$ and $\sec^2 x$ by dividing N^r and D^r by $\cos^k x$ where $k = -(m+n)$

Substitute : $\operatorname{Tan} x = t$