

1.  $\int x^n dx = \frac{1}{n+1} x^{n+1} \quad (n \neq -1)$
2.  $\int \frac{1}{x} dx = \log |x|$
3.  $\int e^x dx = e^x$
4.  $\int a^x dx = \frac{a^x}{\log a}$
5.  $\int \operatorname{sen} x dx = -\cos x$
6.  $\int \cos x dx = \operatorname{sen} x$
7.  $\int \tan x dx = -\log |\cos x|$
8.  $\int \cot x dx = \log |\operatorname{sen} x|$
9.  $\int \sec x dx = \log |\sec x + \tan x| = \log \left| \tan \left( \frac{1}{2}x + \frac{1}{4}\pi \right) \right|$
10.  $\int \csc x dx = \log |\csc x - \cot x| = \log \left| \tan \frac{1}{2}x \right|$
11.  $\int \operatorname{arc} \operatorname{sen} \frac{x}{a} dx = x \operatorname{arc} \operatorname{sen} \frac{x}{a} + \sqrt{a^2 - x^2} \quad (a > 0)$
12.  $\int \operatorname{arc} \cos \frac{x}{a} dx = x \operatorname{arc} \cos \frac{x}{a} - \sqrt{a^2 - x^2} \quad (a > 0)$
13.  $\int \operatorname{arctan} \frac{x}{a} dx = x \operatorname{arctan} \frac{x}{a} - \frac{a}{2} \log(a^2 + x^2) \quad (a > 0)$
14.  $\int \operatorname{sen}^2 mx dx = \frac{1}{2m} (mx - \operatorname{sen} mx \cos mx)$
15.  $\int \cos^2 mx dx = \frac{1}{2m} (mx + \operatorname{sen} mx \cos mx)$
16.  $\int \sec^2 x dx = \tan x$
17.  $\int \csc^2 x dx = -\cot x$
18.  $\int \operatorname{sen}^n x dx = -\frac{\operatorname{sen}^{n-1} x \cos x}{n} + \frac{n-1}{n} \int \operatorname{sen}^{n-2} x dx$
19.  $\int \cos^n x dx = \frac{\cos^{n-1} x \operatorname{sen} x}{n} + \frac{n-1}{n} \int \cos^{n-2} x dx$
20.  $\int \tan^n x dx = \frac{\tan^{n-1} x}{n-1} - \int \tan^{n-2} x dx \quad (n \neq 1)$
21.  $\int \cot^n x dx = -\frac{\cot^{n-1} x}{n-1} - \int \cot^{n-2} x dx \quad (n \neq 1)$
22.  $\int \sec^n x dx = \frac{\tan x \sec^{n-2} x}{n-1} + \frac{n-2}{n-1} \int \sec^{n-2} x dx \quad (n \neq 1)$
23.  $\int \csc^n x dx = -\frac{\cot x \csc^{n-2} x}{n-1} + \frac{n-2}{n-1} \int \csc^{n-2} x dx \quad (n \neq 1)$