

**TABLA DE INTEGRALES INMEDIATAS**

$\int x^a dx = \frac{x^{a+1}}{a+1} + C$	$\int f^a \cdot f' dx = \frac{f^{a+1}}{a+1} + C$
$\int \frac{1}{x} dx = L / x / + C$	$\int \frac{f'}{f} dx = L / f / + C$
$\int e^x dx = e^x + C$	$\int e^f \cdot f' dx = e^f + C$
$\int a^x dx = \frac{a^x}{La} + C$	$\int a^f \cdot f' dx = \frac{a^f}{La} + C$
$\int \text{sen} x dx = -\cos x + C$	$\int \text{sen} f \cdot f' dx = -\cos f + C$
$\int \cos x dx = \text{sen} x + C$	$\int \cos f \cdot f' dx = \text{sen} f + C$
$\int \sec^2 x dx = \text{tg} x + C$	$\int \sec^2 f \cdot f' dx = \text{tg} f + C$
$\int (1 + \text{tg}^2 x) dx = \text{tg} x + C$	$\int (1 + \text{tg}^2 f) \cdot f' dx = \text{tg} f + C$
$\int \frac{1}{\cos^2 x} dx = \text{tg} x + C$	$\int \frac{f'}{\cos^2 f} dx = \text{tg} f + C$
$\int \text{co} \sec^2 x dx = -\text{cot} x + C$	$\int \text{co} \sec^2 f \cdot f' dx = -\text{cot} f + C$
$\int (1 + \text{cot}^2 x) dx = -\text{cot} x + C$	$\int (1 + \text{cot}^2 f) \cdot f' dx = -\text{cot} f + C$
$\int \frac{1}{\text{sen}^2 x} dx = -\text{cot} x + C$	$\int \frac{f'}{\text{sen}^2 f} dx = -\text{cot} f + C$
$\int \frac{1}{\sqrt{1-x^2}} dx = \text{arcsen} x + C$	$\int \frac{f'}{\sqrt{1-f^2}} dx = \text{arcsen} f + C$
$\int \frac{1}{\sqrt{a^2-x^2}} dx = \text{arcsen} \frac{x}{a} + C$	$\int \frac{f'}{\sqrt{a^2-f^2}} dx = \text{arcsen} \frac{f}{a} + C$
$\int \frac{1}{1+x^2} dx = \text{arctg} x + C$	$\int \frac{f'}{1+f^2} dx = \text{arctg} f + C$
$\int \frac{1}{a^2+x^2} dx = \frac{1}{a} \text{arctg} \frac{x}{a} + C$	$\int \frac{f'}{a^2+f^2} dx = \frac{1}{a} \text{arctg} \frac{f}{a} + C$
$\int \frac{Mx + N}{ax^2 + bx + c} dx = \text{neperiano} + \text{arco tangente}$	