

★ ★ ★	Tabla de Integrales Inmediatas	★ ★ ★
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	Función simple	Función compuesta
1	$\int k \cdot dx = kx + C$	
2	$\int x^p dx = \frac{x^{p+1}}{p+1} + C \quad (p \neq -1)$	$\int f(x)^p f'(x) dx = \frac{f(x)^{p+1}}{p+1} + C \quad (p \neq -1)$
3	$\int \frac{1}{2\sqrt{x}} dx = \sqrt{x} + C$	$\int \frac{f'(x)}{2\sqrt{f(x)}} dx = \sqrt{f(x)} + C$
4	$\int \frac{1}{x} dx = \ln x  + C$	$\int \frac{f'(x)}{f(x)} dx = \ln f(x)  + C$
5	$\int e^x dx = e^x + C$	$\int f'(x) e^{f(x)} dx = e^{f(x)} + C$
6	$\int a^x dx = \frac{a^x}{\ln(a)} + C$	$\int f'(x) a^{f(x)} dx = \frac{a^{f(x)}}{\ln(a)} + C$
7	$\int \operatorname{sen}(x) dx = -\cos(x) + C$	$\int f'(x) \operatorname{sen}(f(x)) dx = -\cos(f(x)) + C$
8	$\int \cos(x) dx = \operatorname{sen}(x) + C$	$\int f'(x) \cos(f(x)) dx = \operatorname{sen}(f(x)) + C$
9	$\int \frac{1}{\cos^2(x)} dx = \operatorname{tg}(x) + C$	$\int \frac{f'(x)}{\cos^2(f(x))} dx = \operatorname{tg}(f(x)) + C$
10	$\int \frac{-1}{\operatorname{sen}^2(x)} dx = \operatorname{cotg}(x) + C$	$\int \frac{-f'(x)}{\operatorname{sen}^2(f(x))} dx = \operatorname{cotg}(f(x)) + C$
11	$\int \frac{1}{\sqrt{1-x^2}} dx = \operatorname{arcsen}(x) + C$	$\int \frac{f'(x)}{\sqrt{1-f(x)^2}} dx = \operatorname{arcsen}(f(x)) + C$
12	$\int \frac{-1}{\sqrt{1-x^2}} dx = \operatorname{arccos}(x) + C$	$\int \frac{-f'(x)}{\sqrt{1-f(x)^2}} dx = \operatorname{arccos}(f(x)) + C$
13	$\int \frac{1}{1+x^2} dx = \operatorname{arctg}(x) + C$	$\int \frac{f'(x)}{1+f(x)^2} dx = \operatorname{arctg}(f(x)) + C$