Integrales de funciones elementales

$\int dx = x + C$	
$\int k\,dx = kx + C$	
$\int x^n dx = \dfrac{x^{n+1}}{n+1} + C,\ (n \neq -1)$	$\int u^n \cdot u' \cdot dx = \dfrac{u^{n+1}}{n+1} + C\ (n \neq -1)$
$\int (1/x)\,dx = \ln|x| + C$	$\int (u'/u) \cdot dx = \ln|u| + C$
$\int e^x\,dx = e^x + C$	$\int e^u \cdot u' \cdot dx = e^u + C$
$\int a^x\,dx = \dfrac{a^x}{\ln a} + C$	$\int a^u \cdot u' \cdot dx = \dfrac{a^u}{\ln a} + C$
$\int \cos x\,dx = \operatorname{sen} x + C$	$\int \cos u \cdot u' \cdot dx = \operatorname{sen} u + C$
$\int \operatorname{sen} x\,dx = -\cos x + C$	$\int \operatorname{sen} u \cdot u' \cdot dx = -\cos u + C$
$\int \dfrac{1}{\cos^2 x}\,dx = \operatorname{tg} x + C$	$\int \dfrac{1}{\cos^2 u} \cdot u' \cdot dx = \operatorname{tg} u + C$
$\int (1 + \operatorname{tg}^2 x)\,dx = \operatorname{tg} x + C$	$\int (1 + \operatorname{tg}^2 u) \cdot u' \cdot dx = \operatorname{tg} u + C$
$\int \dfrac{-1}{\operatorname{sen}^2 x}\,dx = \operatorname{cotg} x + C$	$\int \dfrac{-1}{\operatorname{sen}^2 u} \cdot u' \cdot dx = \operatorname{cotg} u + C$
$\int \dfrac{1}{1 + x^2}\,dx = \operatorname{arc\,tg} x + C$	$\int \dfrac{1}{1 + u^2} \cdot u' \cdot dx = \operatorname{arc\,tg} u + C$
$\int \dfrac{-1}{1 + x^2}\,dx = \operatorname{arc\,cotg} x + C$	$\int \dfrac{-1}{1 + u^2} \cdot u' \cdot dx = \operatorname{arc\,cotg} u + C$
$\int \dfrac{1}{\sqrt{1 - x^2}}\,dx = \operatorname{arc\,sen} x + C$	$\int \dfrac{1}{\sqrt{1 - u^2}} \cdot u' \cdot dx = \operatorname{arc\,sen} u + C$
$\int \dfrac{-1}{\sqrt{1 - x^2}}\,dx = \operatorname{arc\,cos} x + C$	$\int \dfrac{-1}{\sqrt{1 - u^2}} \cdot u' \cdot dx = \operatorname{arc\,cos} u + C$