Primitivas Imediatas	**Primitivas Quase Imediatas**
$\int x^{\alpha}dx = \frac{x^{\alpha+1}}{\alpha+1} + C$	$\int f(x)^{\alpha} f'(x)dx = \frac{f(x)^{\alpha+1}}{\alpha+1} + C$
$\int e^x dx = e^x + C$	$\int e^{f(x)} f'(x)dx = e^{f(x)} + C$
$\int a^x \ln a dx = a^x + C$	$\int a^{f(x)} f'(x) \ln a dx = a^{f(x)} + C$
$\int \frac{1}{x}dx = \ln\lvert x\rvert + C$	$\int \frac{f'(x)}{f(x)}dx = \ln\lvert f(x)\rvert + C$
$\int \frac{1}{x\ln a}dx = \log_a\lvert x\rvert + C$	$\int \frac{f'(x)}{f(x)\ln a}dx = \log_a\lvert f(x)\rvert + C$
$\int \cos x dx = \sin x + C$	$\int \cos[f(x)]f'(x)dx = \sin[f(x)] + C$
$\int \sin x dx = -\cos x + C$	$\int \sin[f(x)]f'(x)dx = -\cos[f(x)] + C$
$\int \frac{1}{cos^2 x}dx = \tan x + C$	$\int \frac{f'(x)}{cos^2[f(x)]}dx = \tan[f(x)] + C$

Funções Elementares	**Funções Compostas**
$(x^{\alpha})' = \alpha x^{\alpha-1}$	$[f(x)^{\alpha}] = \alpha f(x)^{\alpha-1} f'(x)$
$(e^x)' = e^x$	$[e^{f(x)}]' = e^x f'(x)$
$(a^x)' = a^x \ln a$	$[a^{f(x)}]' = a^{f(x)} f'(x) \ln a$
$(\ln x)' = \frac{1}{x}$	$[\ln f(x)]' = \frac{f'(x)}{f(x)}$
$(\log_a x)' = \frac{1}{x\ln a}$	$[\log_a f(x)]' = \frac{f'(x)}{f(x)\ln a}$
$(\sin x)' = \cos x$	$[\sin f(x)]' = \cos[f(x)]f'(x)$
$(\cos x)' = -\sin x$	$[\cos f(x)]' = -\sin[f(x)]f'(x)$
$(\tan x)' = \frac{1}{cos^2 x}$	$[\tan f(x)]' \frac{f'(x)}{cos^2[f(x)]}$
$(\sinh x)' = \cosh x$	$[\sinh f(x)]' = \cosh[f(x)]f'(x)$
$(\cosh x)' = \sinh x$	$[\cosh f(x)]' = \sinh[f(x)]f'(x)$
$(\tanh x)' = \frac{1}{cosh^2 x}$	$[\tanh f(x)]' \frac{f'(x)}{cos^2 h[f(x)]}$

Linearidade da Derivada Linearidade da Primitiva

$$f(x) \pm g(x)]' = f'(x) \pm g'(x) \qquad \int [f(x) + g(x)]dx = \int f(x)dx + \int g(x)dx$$

$$[cf(x)]' = cf'(x) \qquad \int cf(x)dx = c \int f(x)dx$$

Derivada do Produto e do Quociente Primitivação por Partes

$$(fg)' = f'g + fg' \qquad (\frac{f}{g})' = \frac{f'g - fg'}{g^2} \qquad \int [f(x) + g(x)]dx = \int f(x)dx + \int g(x)dx$$