TABELLA DERIVATE

$y = k$ $y' = 0$	$y = x$ $y' = 1$
$y = x^n$ $y' = nx^{n-1}$	$y = \{f(x)\}^n$ $y' = n\{f(x)\}^{n-1} f'(x)$
$y = \sqrt{x}$ $y' = \frac{1}{2\sqrt{x}}$	$y = \sqrt{f(x)}$ $y' = \frac{1}{2\sqrt{f(x)}} f'(x)$
$y = \sqrt[n]{x}$ $y' = \frac{1}{n\sqrt[n]{x^{n-1}}}$	$y = \sqrt[n]{f(x)}$ $y' = \frac{1}{n\sqrt[n]{f(x)^{n-1}}} f'(x)$
$y = \sqrt[n]{x^m}$ $y' = \frac{m}{n\sqrt[n]{x^{n-m}}}$	$y = \sqrt[n]{\{f(x)\}^m}$ $\frac{m}{n\sqrt[n]{\{f(x)\}^{n-m}}} f'(x)$
$y = \sin x$ $y' = \cos x$	$y = \sin f(x)$ $y' = \cos f(x)\ f'(x)$
$y = \cos x$ $y' = -\sin x$	$y = \cos f(x)$ $y' = -\sin f(x)\ f'(x)$
$y = tg\ x$ $y' = \frac{1}{\cos^2 x}$	$y = tg\ f(x)$ $y' = \frac{1}{\cos^2 f(x)} f'(x)$
$y = ctg\ x$ $y' = -\frac{1}{sin^2 x}$	$y = ctg\ f(x)$ $y' = -\frac{1}{sin^2 f(x)} f'(x)$
$y = arcsin\ x$ $y' = \frac{1}{\sqrt{1-x^2}}$	$y = arcsin\ f(x)$ $y' = \frac{1}{\sqrt{1-\{f(x)\}^2}} f'(x)$
$y = arccos\ x$ $y' = -\frac{1}{\sqrt{1-x^2}}$	$y = arccos\ f(x)$ $y' = -\frac{1}{\sqrt{1-\{f(x)\}^2}} f'(x)$
$y = arctg\ x$ $y' = \frac{1}{1+x^2}$	$y = arctg\ f(x)$ $y' = \frac{1}{1+\{f(x)\}^2} f'(x)$
$y = arcctg\ x$ $y' = -\frac{1}{1+x^2}$	$y = axcctg\ f(x)$ $y' = -\frac{1}{1+\{f(x)\}^2} f'(x)$
$y = \log_a x$ $y' = \frac{1}{x}\log_a e$	$y = \log_a f(x)$ $y' = \frac{1}{f(x)} \cdot \log_a e \cdot f'(x)$
$y = \log_a f(x)$ $y' = \frac{1}{f(x)} \cdot f'(x) \cdot \frac{1}{\ln a}$	
$y = ln\ x$ $y' = \frac{1}{x}$	$y = ln\ f(x)$ $y' = \frac{1}{f(x)} f'(x)$
$y = a^x$ $y' = a^x \cdot \ln a$	$y = a^{f(x)}$ $y' = a^{f(x)} \ln a \cdot f'(x)$
$y = e^x$ $y' = e^x$	$y = e^{f(x)}$ $y' = e^{f(x)} \cdot f'(x)$
$y = x^x$ $y' = x^x(1+\ln x)$	$y = \{f(x)\}^{j(x)}$ $y' = \{f(x)\}^{j(x)} \cdot \left\{j'(x)\ln f(x) + \frac{j(x)}{f(x)} f'(x)\right\}$