

DERIVATE DELLE FUNZIONI ELEMENTARI

$f(x)$	$f'(x)$	$f(x)$	$f'(x)$
$y = k$	$y' = 0$	$y = e^x$	$y' = e^x$
$y = x$	$y' = 1$	$y = a^x$	$y' = a^x \cdot \ln a$
$y = k \cdot x$	$y' = k$	$y = \ln x$	$y' = \frac{1}{x}$
$y = x^2$	$y' = 2x$	$y = \log_a x$	$y' = \frac{1}{x} \cdot \log_a e$
$y = x^n$	$y' = n \cdot x^{n-1}$	$y = \text{sen } x$	$y' = \text{cos } x$
$y = k \cdot x^n$	$y' = kn \cdot x^{n-1}$	$y = \text{cos } x$	$y' = -\text{sen } x$
$y = \sqrt{x}$	$y' = \frac{1}{2\sqrt{x}}$		
$y = \sqrt[n]{x}$	$y' = \frac{1}{n \cdot \sqrt[n]{x^{n-1}}}$		
$y = k \cdot \sqrt[n]{x}$	$y' = \frac{k}{n \cdot \sqrt[n]{x^{n-1}}}$		