

## 7. TABELLA DI PRIMITIVE

$f(x)$	$F(x)$	
$x^\alpha$	$\frac{x^{\alpha+1}}{(\alpha+1)}$	se $\alpha \neq -1$
$\frac{1}{x}$	$\log x $	
$e^x$	$e^x$	
$a^x$	$\frac{a^x}{\log a}$	$a > 0, a \neq 1$
$\sin x$	$-\cos x$	
$\cos x$	$\sin x$	
$\operatorname{tg} x$	$\log \cos x $	
$\operatorname{cotg} x$	$-\log \sin x $	
$\operatorname{Sh} x$	$\operatorname{Ch} x$	
$\operatorname{Ch} x$	$\operatorname{Sh} x$	
$\operatorname{Th} x$	$\log \operatorname{Ch} x$	
$\operatorname{Cth} x$	$\log \operatorname{Sh} x $	
$\frac{1}{(\cos x)^2}$	$\operatorname{tg} x$	
$\frac{1}{(\sin x)^2}$	$-\operatorname{cotg} x$	
$\frac{1}{(\operatorname{Ch} x)^2}$	$\operatorname{Th} x$	
$\frac{1}{(\operatorname{Sh} x)^2}$	$-\operatorname{Cth} x$	
$\frac{1}{1+x^2}$	$\operatorname{arctg} x$	
$\frac{1}{1-x^2}$	$\frac{1}{2} \log \frac{1+x}{1-x}$	se $ x  < 1$
$\frac{1}{1-x^2}$	$\frac{1}{2} \log \frac{x+1}{x-1}$	se $ x  > 1$
$\frac{1}{\sqrt{1-x^2}}$	$\operatorname{arcsin} x$	
$\frac{1}{\sqrt{1+x^2}}$	$\log x + \sqrt{1+x^2} $	
$\frac{1}{\sqrt{x^2-1}}$	$\log x + \sqrt{x^2-1} $	se $ x  > 1$