Formulário Derivadas

$(u^p)' = p\,u^{p-1}\,u'$ $\qquad$ $(\arcsen(u))' = \dfrac{u'}{\sqrt{1-u^2}}$

$(\ln u)' = \dfrac{u'}{u}$ $\qquad$ $(\arctg(u))' = \dfrac{u'}{1+u^2}$

$(\cos u)' = -u'\ \sen u$ $\qquad$ $(\sec u)' = u'\sec(u)\tg(u)$

$(\sen u)' = u'\ \cos u$ $\qquad$ $(\mathrm{cosec} u)' = -u'\mathrm{cosec}(u)\cotg(u)$

$(\tg u)' = u'\ \sec^2 u$ $\qquad$ $(e^u)' = u'\,e^u$

$(\cotg u)' = -u'\,\mathrm{cosec}^2 u$ $\qquad$ $(a^u)' = \dfrac{u'a^u}{\ln a}\ ,\ a \in \mathbb{R}^+\backslash\{1\}$