# Tabla de Derivadas

|  |  |
| --- | --- |
| Función | Derivada |
| y = c | y´ = 0 |
| y = x | y´ = 1 |
| y =  ∀n∈R y n ≠0 n ≠1 | y´ = n . |
| y = sen x | y´ = cos x |
| y = cos x | y´ = - sen x |
| y = tg x | y´ = |
| y = ctg x | y´ = - |
| y = sec x | y´ =  y’= sec x . tg x |
| y = cosec x | y´ =  y’= - cosec x . cotg x |
| y = arcsen x |  |
| y = arccos x |  |
| y = arctg x |  |
| y = arccotg x |  |
| y = arcsec x |  |
| y = arccosec x |  |
| y = sh x | y´ = ch x |
| y = ch x | y´ = sh x |
| y = th x | y´ = sech2x |
| y = coth x | y´ = -cosech2x |
| y = sech x | y´ = -sech x.th x |
| y = cosech x | y´ = -cosech x.coth x |
| y = ln x | y´ = 1/x |
| y = ex | y´ = ex |
| y = ax | y´ = ax.ln a |

**Algebra de derivadas:**

|  |  |
| --- | --- |
| y= u+v | y ’= u’ + v’ |
| y= u - v | y ‘= u’ – v’ |
| y = u . v | Y ´ = u´ . v + v ´ . u |
| y = |  |
| y= f(g(x)) | y’ = f ’(g(x)) . g ’(x) |