Función	Derivada	Función	Derivada
$f(x)=k$	$f'(x)=0$	$f(x)=\arctan(u)$	$f'(x)=\dfrac{u'}{1+u^2}$
$f(x)=ax$	$f'(x)=a$	$f(x)=\operatorname{arcsec}(u)$	$f'(x)=\dfrac{u'}{u\cdot\sqrt{u^2-1}}$
$f(x)=u^n$	$f'(x)=n\cdot u^{n-1}\cdot u'$	$f(x)=\operatorname{arccosec}(u)$	$f'(x)=-\dfrac{u'}{u\cdot\sqrt{u^2-1}}$
$f(x)=\sqrt{u}$	$f'(x)=\dfrac{u'}{2\sqrt{u}}$	$f(x)=\operatorname{arccotg}(u)$	$f'(x)=-\dfrac{u'}{1+u^2}$
$f(x)=\sqrt[n]{u}$	$f'(x)=\dfrac{u'}{n\sqrt[n]{u^{n-1}}}$	$f(x)=\operatorname{senh}(u)$	$f'(x)=\cosh(u)\cdot u'$
$f(x)=e^u$	$f'(x)=e^u\cdot u'$	$f(x)=\cosh(u)$	$f'(x)=\operatorname{senh}(u)\cdot u'$
$f(x)=a^u$	$f'(x)=a^u\cdot\ln(a)\cdot u'$	$f(x)=\tanh(u)$	$f'(x)=\dfrac{u'}{\cosh^2(u)}=(1-\tanh^2(u))\cdot u'$
$f(x)=\ln(u)$	$f'(x)=\dfrac{u'}{u}$	$f(x)=\operatorname{sech}(u)$	$f'(x)=-\operatorname{sech}(u)\cdot\tanh(u)\cdot u'$
$f(x)=\log_a(u)$	$f'(x)=\dfrac{u'}{u\cdot\ln(a)}$	$f(x)=\operatorname{cosech}(u)$	$f'(x)=-\operatorname{cosech}(u)\cdot\operatorname{cotgh}(u)\cdot u'$
$f(x)=\operatorname{sen}(u)$	$f'(x)=\cos(u)\cdot u'$	$f(x)=\operatorname{cotgh}(u)$	$f'(x)=-\operatorname{cosech}^2(u)$
$f(x)=\cos(u)$	$f'(x)=-\operatorname{sen}(u)\cdot u'$	$f(x)=\operatorname{arcsenh}(u)$	$f'(x)=\dfrac{u'}{\sqrt{u^2+1}}$
$f(x)=\tan(u)$	$f'(x)=\dfrac{u'}{\cos^2(u)}=(1+\tan^2(u))\cdot u'$	$f(x)=\operatorname{arccosh}(u)$	$f'(x)=\dfrac{u'}{\sqrt{u^2-1}}$
$f(x)=\sec(u)$	$f'(x)=\dfrac{u'\cdot\operatorname{sen}(u)}{\cos^2(u)}$	$f(x)=\operatorname{arctanh}(u)$	$f'(x)=\dfrac{u'}{1-u^2}$
$f(x)=\operatorname{cosec}(u)$	$f'(x)=-\dfrac{u'\cdot\cos(u)}{\operatorname{sen}^2(u)}$	$f(x)=\operatorname{arcsech}(u)$	$f'(x)=-\dfrac{u'}{u\cdot\sqrt{1-u^2}}$
$f(x)=\operatorname{cotg}(u)$	$f'(x)=-\dfrac{u'}{\operatorname{sen}^2(u)}$	$f(x)=\operatorname{arccsch}(u)$	$f'(x)=-\dfrac{u'}{u\cdot\sqrt{1+u^2}}$
$f(x)=\operatorname{arcsen}(u)$	$f'(x)=\dfrac{u'}{\sqrt{1-u^2}}$	$f(x)=\operatorname{arccoth}(u)$	$f'(x)=\dfrac{u'}{1-u^2}$
$f(x)=\arccos(u)$	$f'(x)=-\dfrac{u'}{\sqrt{1-u^2}}$		

Básicas y Suma/Resta

$$\sin\theta=\frac{1}{\csc\theta}$$
$$\cos\theta=\frac{1}{\sec\theta}$$
$$\csc\theta=\frac{1}{\sin\theta}$$
$$\sec\theta=\frac{1}{\cos\theta}$$
$$\cot\theta=\frac{\cos\theta}{\sin\theta}=\frac{1}{\tan\theta}$$
$$\tan\theta=\frac{\sin\theta}{\cos\theta}=\frac{1}{\cot\theta}$$
$$\sin^2\theta+\cos^2\theta=1$$
$$1+\tan^2\theta=\sec^2\theta$$
$$1+\cot^2\theta=\csc^2\theta$$
$$\sin(\theta\pm\beta)=\sin\theta\cos\beta\pm\sin\beta\cos\theta$$
$$\cos(\theta\pm\beta)=\cos\theta\cos\beta\mp\sin\theta\sin\beta$$
$$\tan(\theta\pm\beta)=\frac{\tan\theta\pm\tan\beta}{1\mp\tan\theta\tan\beta}$$

Ángulo Doble y Medio

$$\sin(2\theta)=2\sin\theta\cos\theta$$
$$\cos(2\theta)=\cos^2\theta-\sin^2\theta$$
$$\cos(2\theta)=1-2\sin^2\theta$$
$$\cos(2\theta)=2\cos^2\theta-1$$
$$\tan(2\theta)=\frac{2\tan\theta}{1-\tan^2\theta}$$
$$\sin\frac{\theta}{2}=\pm\sqrt{\frac{1-\cos\theta}{2}}$$
$$\cos\frac{\theta}{2}=\pm\sqrt{\frac{1+\cos\theta}{2}}$$
$$\tan\frac{\theta}{2}=\pm\sqrt{\frac{1-\cos\theta}{1+\cos\theta}}$$
$$\tan\frac{\theta}{2}=\frac{1-\cos\theta}{\sin\theta}=\frac{\sin\theta}{1+\cos\theta}$$

Par, impar

$$\sin(-\theta)=-\sin\theta$$
$$\cos(-\theta)=\cos\theta$$

Suma a Producto; Producto a Suma

$$\sin\theta+\sin\beta=2\sin\left(\frac{\theta+\beta}{2}\right)\cos\left(\frac{\theta-\beta}{2}\right)$$
$$\sin\theta-\sin\beta=2\sin\left(\frac{\theta-\beta}{2}\right)\cos\left(\frac{\theta+\beta}{2}\right)$$
$$\cos\theta+\cos\beta=2\cos\left(\frac{\theta+\beta}{2}\right)\cos\left(\frac{\theta-\beta}{2}\right)$$
$$\cos\theta-\cos\beta=-2\sin\left(\frac{\theta+\beta}{2}\right)\sin\left(\frac{\theta-\beta}{2}\right)$$
$$\sin\theta\sin\beta=\frac{1}{2}[\cos(\theta-\beta)-\cos(\theta+\beta)]$$
$$\cos\theta\cos\beta=\frac{1}{2}[\cos(\theta-\beta)+\cos(\theta+\beta)]$$
$$\sin\theta\cos\beta=\frac{1}{2}[\sin(\theta+\beta)+\sin(\theta-\beta)]$$

Suplemento, complemento

$$\sin(\pi\pm\theta)=\mp\sin\theta$$
$$\cos(\pi\pm\theta)=-\cos\theta$$
$$\sin(\pi/2-\theta)=\cos\theta$$
$$\cos(\pi/2-\theta)=\sin\theta$$