Sine	$\frac{d}{dx}[sin(x)] = \cos(x)$
Cosine	$\frac{d}{dx}[cos(x)] = -sin(x)$
Tangent	$\frac{d}{dx}[tan(x)] = sec^2(x)$
Cotangent	$\frac{d}{dx}[cot(x)] = -csc^2(x)$
Secant	$\frac{d}{dx}[sec(x)] = sec(x)\,tan(x)$
Cosecant	$\frac{d}{dx}[csc(x)] = -\,csc(x)\,cot(x)$

Arcsine	$\frac{d}{dx}[\sin^{-1}(x)] = \frac{1}{\sqrt{1-x^2}}$
Arccosine	$\frac{d}{dx}[\cos^{-1}(x)] = \frac{-1}{\sqrt{1-x^2}}$
Arctangent	$\frac{d}{dx}[\tan^{-1}(x)] = \frac{1}{1+x^2}$
Arccotangent	$\frac{d}{dx}[\cot^{-1}(x)] = \frac{-1}{1+x^2}$
Arcsecant	$\frac{d}{dx}[\sec^{-1}(x)] = \frac{1}{\lvert x\rvert\sqrt{x^2-1}}$
Arccosecant	$\frac{d}{dx}[\csc^{-1}(x)] = \frac{-1}{\lvert x\rvert\sqrt{x^2-1}}$