Hyperbolic Sine $\left(\frac{e^x - e^{-x}}{2}\right)$	$\frac{d}{dx}[sinh(x)] = \cosh(x)$
Hyperbolic Cosine $\left(\frac{e^x + e^{-x}}{2}\right)$	$\frac{d}{dx}[cosh(x)] = sinh(x)$
Hyperbolic Tangent	$\frac{d}{dx}[tanh(x)] = sech^2(x)$
Hyperbolic Cotangent	$\frac{d}{dx}[coth(x)] = -csch^2(x)$
Hyperbolic Secant	$\frac{d}{dx}[sech(x)] = -\,sech(x)\,tanh(x)$
Hyperbolic Cosecant	$\frac{d}{dx}[csch(x)] = -\,csch(x)\,coth(x)$

Hyperbolic Arcsine	$\frac{d}{dx}[\sinh^{-1}(x)] = \frac{1}{\sqrt{x^2+1}}$
Hyperbolic Arccosine	$\frac{d}{dx}[\cosh^{-1}(x)] = \frac{1}{\sqrt{x^2-1}}$
Hyperbolic Arctangent	$\frac{d}{dx}[\tanh^{-1}(x)] = \frac{1}{1-x^2}$
Hyperbolic Arccotangent	$\frac{d}{dx}[\coth^{-1}(x)] = \frac{1}{1-x^2}$
Hyperbolic Arcsecant	$\frac{d}{dx}[\mathrm{sech}^{-1}(x)] = \frac{-1}{x\sqrt{1-x^2}}$
Hyperbolic Arccosecant	$\frac{d}{dx}[\mathrm{csch}^{-1}(x)] = \frac{-1}{\lvert x\rvert\sqrt{1+x^2}}$