

$$\tan^{-1} \frac{x}{a}$$

$$\frac{a}{a^2+x^2}$$

$$\sec^{-1} \frac{x}{a}$$

$$\frac{a}{x\sqrt{x^2-a^2}}$$

$$\operatorname{cosec}^{-1} \frac{x}{a}$$

$$-\frac{a}{x\sqrt{x^2-a^2}}$$

$$\cot^{-1} \frac{x}{a}$$

$$-\frac{a}{a^2+x^2}$$

$$\sinh x$$

$$\cosh x$$

$$\cosh x$$

$$\sinh x$$

$$\tanh x$$

$$\operatorname{sech}^2 x$$

$$\coth x$$

$$-\operatorname{cosech}^2 x$$

$$\operatorname{sech} x$$

$$-\operatorname{sech} x \tanh x$$

$$\operatorname{cosech} x$$

$$-\operatorname{cosech} x \coth x$$

$$\sinh^{-1} x$$

$$\frac{1}{\sqrt{x^2+1}}$$

$$\cosh^{-1} x$$

$$\frac{1}{\sqrt{x^2-1}}$$

$$\tanh^{-1} x$$

$$\frac{1}{1-x^2}$$

$$e^{ax}$$

$$\frac{1}{a} e^{ax}$$

$$a^x$$

$$\frac{a^x}{\ln a}$$

$$\frac{1}{\sqrt{a^2+x^2}}$$

$$\ln \left| \frac{x+\sqrt{a^2+x^2}}{a} \right|$$

$$\frac{1}{\sqrt{a^2-x^2}}$$

$$\sin^{-1} \frac{x}{a}$$

$$\frac{1}{x^2+a^2}$$

$$\frac{1}{a} \tan^{-1} \frac{x}{a}$$

$$\frac{1}{x\sqrt{x^2-a^2}}$$

$$\frac{1}{a} \sec^{-1} \frac{x}{a}$$

$$\frac{1}{\sqrt{x^2-a^2}}$$

$$\ln \left| \frac{x+\sqrt{x^2-a^2}}{a} \right|$$

$$\frac{1}{a^2-x^2}$$

$$\frac{1}{2a} \ln \left| \frac{a+x}{a-x} \right|$$