

$$(\ln(x))'$$

$$\frac{1}{x}$$

$$\ln(1)$$

$$0$$

$$\ln(e)$$

$$1$$

$$\ln(x) - \ln(y)$$

$$\ln\left(\frac{x}{y}\right)$$

$$\ln(e^y)$$

$$y$$

$$\lim_{x \rightarrow \infty} \ln(x)$$

$$\infty$$

$$\ln(x) + \ln(y)$$

$$\ln(xy)$$

$$p \ln(x)$$

$$\ln(x^p)$$

$$-\ln(y)$$

$$\ln\left(\frac{1}{y}\right)$$

$$\lim_{x \rightarrow 0^+} \ln(x)$$

$$-\infty$$

$$e^{\ln(x)}$$

$$x$$

$$2 \ln(x)$$

$$\ln(x^2)$$

$$\exp(-x)$$

$$\frac{1}{\exp(x)}$$

$$\exp(x_1 - x_2)$$

$$\frac{\exp(x_1)}{\exp(x_2)}$$

$$(e^x)'$$

$$e^x$$

$$\exp(\ln(e))$$

$$e$$