

LOGARITMIFUNKTION DERIVAATA

$$D \ln x = \frac{1}{x} \quad x > 0$$

yhdistetty funktio

$$D \ln f = \frac{1}{f} \cdot f' \rightarrow$$

$$D \ln f = \frac{f'}{f}$$

määrittely!
 $f > 0$

$$D \log_a x = \frac{1}{x \ln a}$$

Saija 1
22.1
↓

Saija 2
22.11
↓

$$\begin{aligned} \log ab &= \log a + \log b \\ \log \frac{a}{b} &= \log a - \log b \\ \log a^n &= n \cdot \log a \end{aligned}$$