

# EKSPONENTTIYHTÄLÖ

$$\begin{aligned} 2^{5x-1} &= 8 \\ 2^{5x-1} &= 2^3 \end{aligned} \quad \left. \begin{array}{l} \text{mahdollista,} \\ \text{joten ok} \end{array} \right\}$$

yhtäsuuret, vain jos

$$5x-1 = 3$$

$$5x = 4$$

$$x = \frac{4}{5}$$

$$10^x - 5 = 0$$

$$10^x = 5$$

$$x = \log_{10} 5$$

ei sievennä

$$\Rightarrow 5x-1 = \log_2 8$$

$$5x-1 = 3$$

$$\begin{aligned} a^{f(x)} &= a^{g(x)} \\ f(x) &= g(x) \end{aligned}$$

$$\begin{aligned} a^{f(x)} &= b \\ f(x) &= \log_a b \end{aligned}$$

Kappale 14

Sana 1  
↓

Sana 2  
↓