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Inverzu' fce

$$y = 2 - 10^{\sqrt{3-x}}$$

Intervaly monotonic

$$f(x) = \sqrt{x} \cdot e^{-2x}$$

Asymptoty

$$f(x) = \frac{3x^2 + x + 4}{x+1}$$

Definiční obor

$$f(x,y) = \ln \frac{1-x^2}{2^x - y}$$

L'Hospital

$$\lim_{x \rightarrow 0} \frac{\lg 3x}{\sqrt{2+\sin 2x} - \sqrt{2}}$$

Tečná rovina a normála

$$z = xy + \frac{50}{x} + \frac{20}{y} \quad \text{a} \quad T = [5; 4; ?]$$