

$$x^2 \approx \int \Rightarrow \underline{2x \cdot dx}$$

10 dx

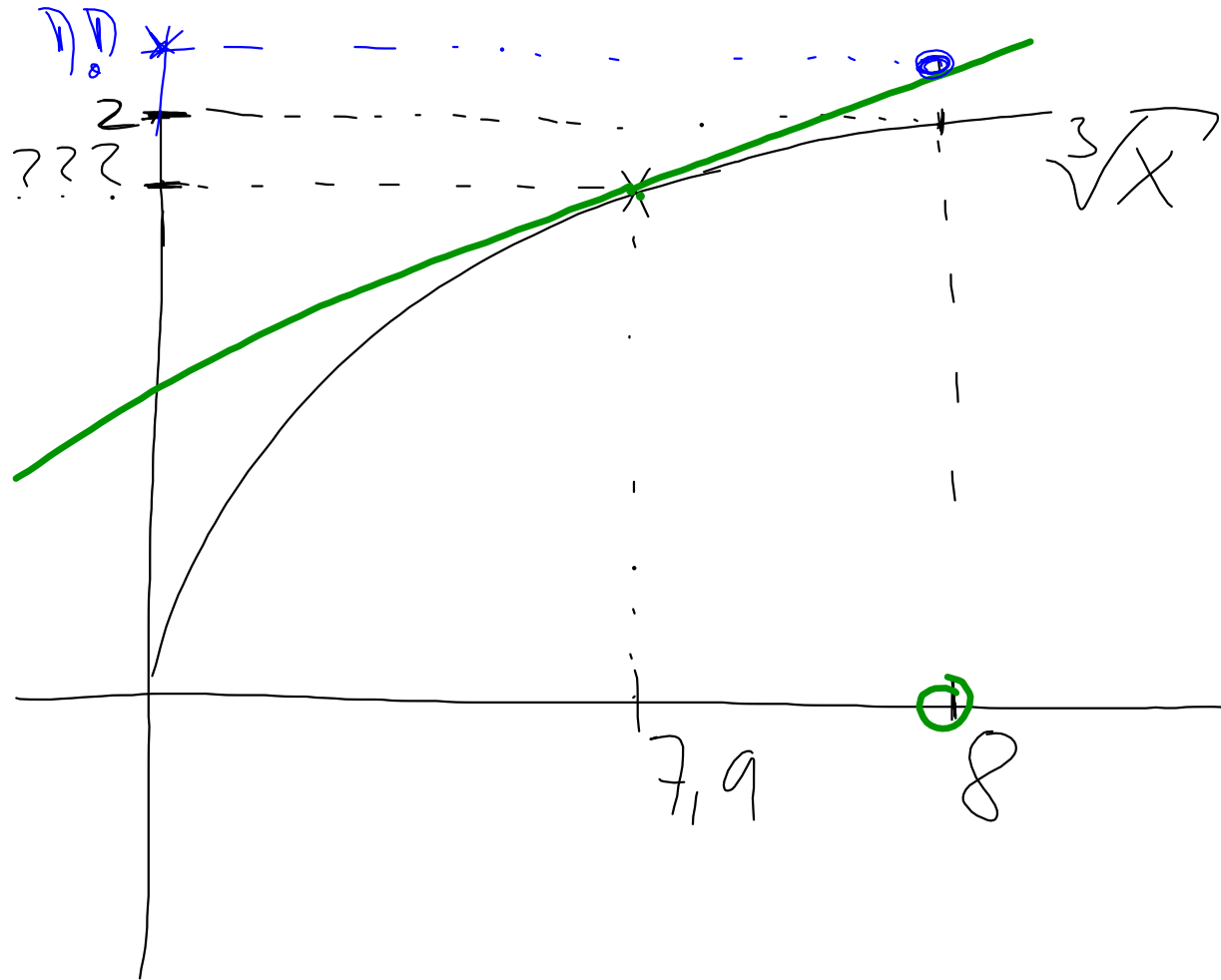
$$f(x, y)$$

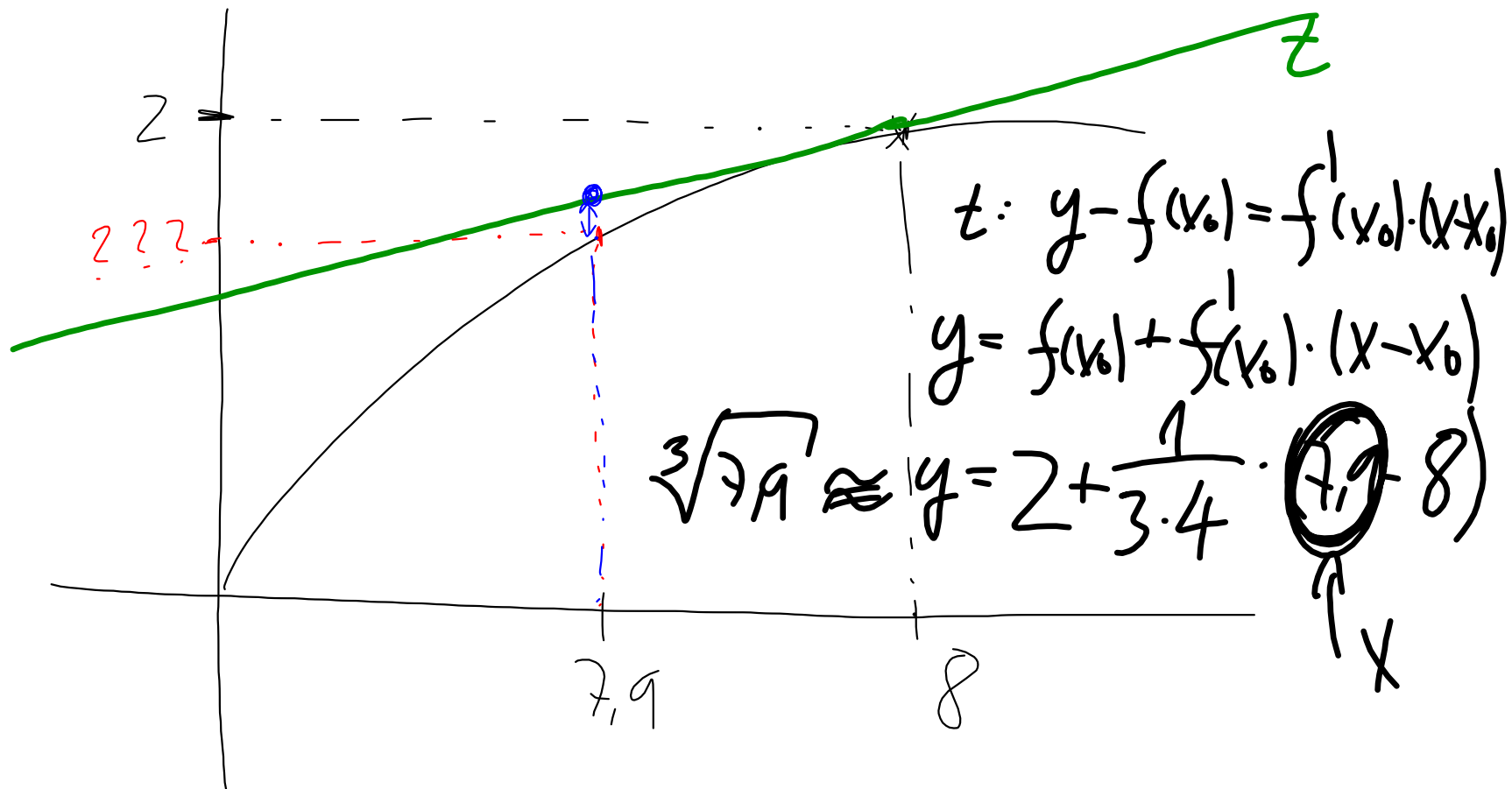
$$\frac{\partial f}{\partial x}$$

$$\frac{\partial^2 f}{\partial x^2}$$

$$f''_{xx}$$

$$\left(f^{-1} \right)' = \frac{1}{f' \left(f^{-1}(x) \right)}$$





$$(a_0)'' = 0$$

$$(a_1(x-x_0))'' = (a_1)' = 0$$

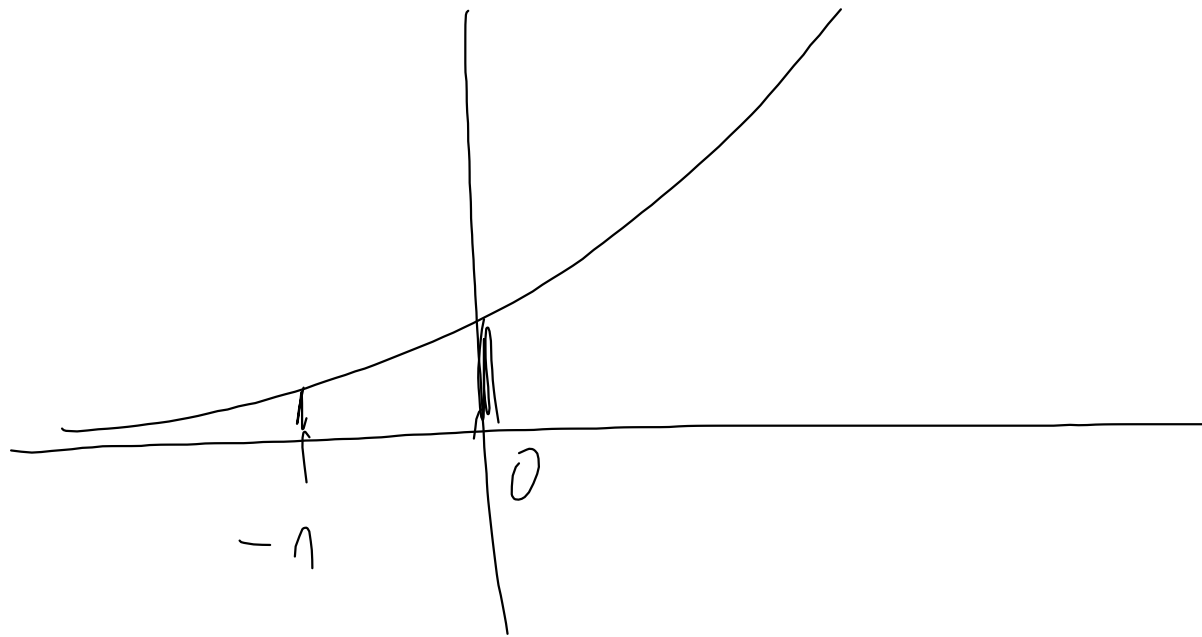
$$(a_2(x-x_0)^2)'' = (a_2 \cdot 2 \cdot (x-x_0)')' = a_2 \cdot 2 \cdot 1$$

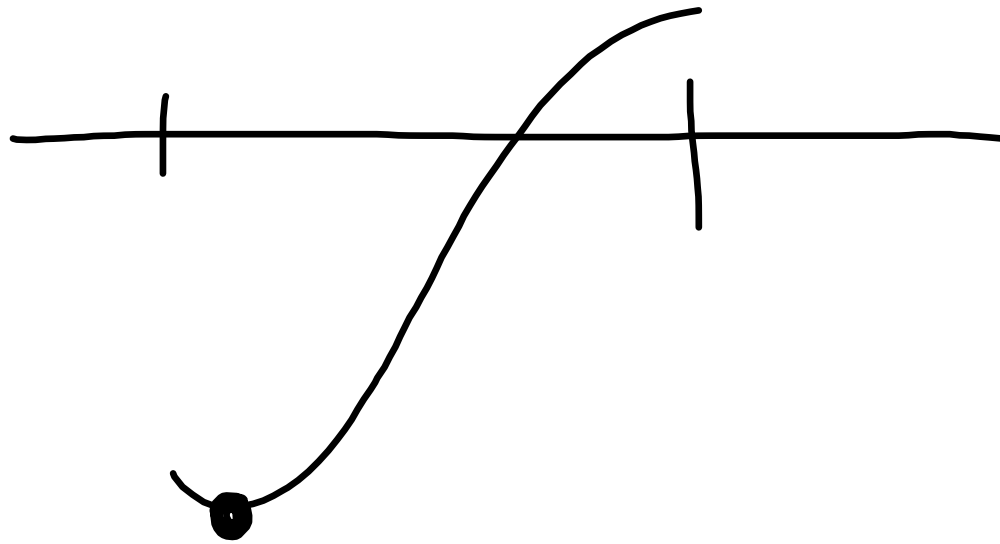
$$\frac{\ln x}{x}$$

$$R(x) = \frac{f^{(n+1)}(\xi)}{(n+1)!} \cdot (x-x_0)^{n+1}$$

$$e^x \Big|_{x=0} = 1$$

$$e^c, c \in (-1, 0)$$





$$\lim_{x \rightarrow 0} \frac{x^4}{x^2} \cdot \left(\frac{1}{2} - \frac{1}{8}x^2 + \dots - \frac{1}{3}x + \frac{1}{9}x^4 + \dots \right)$$

\downarrow
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0
0
0