## 11. hét Anal gyak

$$y^{2} + 2 y^{4} + e^{2 \times 2} - (x - 1)^{4} = 0$$
 $x_{0} = 1$ 
 $y_{0} = -1$ 
 $y_{0} = -1$ 

$$X = t + Din 4t$$
  $y = f(k)$   
 $y = t + Din 2t$   $t_0 = \frac{\pi}{8}$   
 $y = f(k)$ 

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$$f'(i_0) = \frac{\dot{g}(i_0)}{\dot{\chi}(i_0)} = \frac{1+\sqrt{\zeta}}{1} = \frac{1+\sqrt{\zeta}}{1} = \frac{1+\sqrt{\zeta}}{1+2\cos(\zeta+1)}$$

$$\begin{cases} \frac{1}{2}(2) = \frac{\tilde{q} \cdot 2 - \tilde{q} \cdot \tilde{z}}{(2)^2} = \frac{-2\tilde{z}_2 - (1+\tilde{z}_2)(-16)}{(1)^2} = \frac{1}{2} = -2\tilde{z}_1 - 2\tilde{z}_2 - (1+\tilde{z}_2)(-16)$$

$$= \frac{\tilde{q} \cdot z - \tilde{q} \cdot \tilde{z}}{(2)^2} = -2\tilde{z}_1 - 2\tilde{z}_2 - 2\tilde{z}_2$$

- 16+1402 +0 = ninginflexion pretja

$$\int (2 \times +3)^5 dx = \frac{(2 \times +3)^6}{12} + c$$

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$$\int_{\frac{\pi}{2}}^{4} \cdot 2(2x+3)^{4} dx = \frac{1}{2} \cdot \frac{(2x+3)^{4}}{6} + c$$

$$\int \frac{(2x+3)^{2}}{1} dx = \int (2x+3)^{-1} dx = \frac{-4\cdot x}{(2x+3)^{-4}} + C$$

$$\int \frac{2}{9x^{2}+1} dx = 2 \int \frac{1}{1+9x^{2}} dx = \frac{20(-kg(3x))}{3} + c$$

$$\int \frac{2}{92^{2}+3} dz = \frac{2}{3} \int \frac{1}{1+(\sqrt{3}k)^{2}} dt = \frac{2}{3} \cdot \frac{\text{avots}(\sqrt{3}k)}{\sqrt{3}} + c$$

$$\int \frac{2}{9 x^2 L64+3} dx - \int \frac{1}{1+\left(\frac{3 \cdot 11}{\sqrt{L}}\right)^2} dx = \frac{\alpha \cdot c \cdot t \cdot g\left(\frac{3+r1}{\sqrt{L}}\right)}{\frac{3}{\sqrt{L}}} + C$$

parcialis integralas

$$(u \cdot v)' = c' v + c v'$$
  
 $\int (u \cdot v)' = \int (u' \cdot v + u \cdot u')$ 

$$uv = \int u'v + \int uv'$$

$$\int u'v = uv - \int uv'$$

$$\int (3 \times -1) \sin (5 \times +3) dx = \left(3 \times -1\right) \left(\frac{\cos (5 \times +3)}{5}\right) -$$

$$-\int 3 \cdot \left(\frac{\cos (5 \times +3)}{5}\right) dx =$$

$$= A + \frac{3}{5} \cdot \frac{\sin (5 \times +3)}{5} + C$$

$$\int \ln x \, dx = \int 1 \cdot \ln x \, dx = \ln x \cdot x - x = x(\ln x - 1) + c$$

$$\int andy(2x) \cdot n \, dx = \chi \cdot andy(2x) - \int \frac{2x}{n+(2x)^2} \, dx = \chi \cdot andy(2x) - \frac{1}{4} \ln|4x|^2 + 1/4 \int \frac{1}{n+(2x)^2} \, dx$$