Гревнения с резвелени прожениеву

J'= x.7 } 3. Korena J(1)=1

7=0 He e pennemue (He Jobne, hopens Herennom 7.e)

 $\frac{y'}{z} = \infty - S \frac{y' dx}{z} = S x dx + K$ 

 $S \frac{dy}{dx} = \frac{x^2}{2} + K \rightarrow luy = \frac{x^2}{2} + K$ 

7 = e<sup>x²</sup>+x = e<sup>x</sup> e<sup>x²</sup> => Ce<sup>x²</sup>

 $J(1) = c.e^{\frac{1}{2}} = ce^{\frac{1}{2}} = 1 \Rightarrow c = e^{-\frac{1}{2}}$ 

 $|7(4) = e^{-1/2 + x^2}$ 

(2)  $3' = e^{x+7}$  non  $x+y = 2 \rightarrow 3 = 2-x$   $3' = 2'-1 \rightarrow 2'-1 = e^2 \rightarrow 2' = e^2+1$ 

 $\int \frac{2}{e^2 + 1} dy = \int dy + K \rightarrow \int \frac{d^2}{e^2 + 1} = x + K$ 

 $\int \frac{e^{t} dt}{e^{2}(e^{2}+1)} = x+K \rightarrow \int \frac{de^{t}}{e^{2}(e^{2}+1)} = x+K$ 

= \int \frac{1}{4} \, \delta \, \frac{1}{4+1} \, \delta \, \delta

Върч негин 
$$y' = e^{x}, e^{\frac{1}{4}}$$
  $e^{\frac{1}{4}}$   $e^{\frac$ 

MITHERITY TRESHEAMS  $y' = a(x) + b(x) \longrightarrow y(x) = e \quad \text{Ict Sb(x)e} \quad dy$  $J' = \frac{247}{3^2+1} + 23(3^2+L)$  $3(x) = \frac{2x}{x^{2}+1} \qquad \frac{5(x)}{5(x)} = 2x (x^{2}+1) - \frac{52x}{x^{2}+1} dy$   $3(x) = e^{\frac{52x}{x^{2}+1}} dx \qquad \frac{52x}{x^{2}+1} dx$ 7(x)= e 5 = (x2+1) [ c + 5 2x (x2+1) e = dx ] => 7(x) = e ly(x/+1) [ (+ S2x e - ly(x/+1) of x] J(1)= (x2+1)[(+)27 (x2+1)(x2+1) d1] J(1) = (x2+1) [c+ 52) dy] = (x2+4) (c+x2) b(x) = x3  $7' = \frac{2}{31} + x^3$   $3. K. \qquad 9(1) = \frac{2}{31}$   $-5 = \frac{4}{3} = \frac{1}{31}$ 3(x) = e 5 = 3 = 3

J(x) = 1  $J(x) = e^{-\frac{1}{2}} dx = -\frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} dx$   $J(x) = e^{2\ln x} + \frac{1}{2} c + \frac{1}{2} e^{-\frac{1}{2}} e^$