Dog Glabuence KAPACEBA W1) R = cosy = 51+tgy eccure $(1+(y'(x))^2)^{\frac{3}{2}} = \int 1+(y'(x))^2$ y = (y') +1 Opins $J \quad Z(x) = y'(x) \implies Z(x) = y''(x)$ - yu 1) als y = tox - parmer penenne (cosex = tpx +1) ty January 7 = 4 + U 4+4/=(4+4)+1 'cgsx + 4' = tgxx + (2 tgx)4 + 42 + 8 J v= (2+8x)4+42 5'= -1 u2 u' => u2 = -51 u = 2 tgx +1 => -5'= (2 tgx) 5+1 V'= (-2 tojx) v = 1 - nuneinal $v = \left(e + \int -1 \cdot e^{-\int -2\pi \int g \times dx}\right) \cdot \left(\frac{\int -2\pi \int g \times dx}{\int -2\pi \int g \times dx}\right)$ $v = \left(c + \int -1 \cdot e^{-\int -2\pi \int g \times dx}\right) \cdot \left(\frac{\int -2\pi \int g \times dx}{\int -2\pi \int g \times dx}\right)$ $v = \left(c + \int -1 \cdot e^{-\int -2\pi \int g \times dx}\right) \cdot \left(\frac{\int -2\pi \int g \times dx}{\int -2\pi \int g \times dx}\right)$ = (C + J-1/cos'x dx) cos'x = (C-tex) cos'x 1 / 2

poince forecome ?- tsx 1/c 1/sx)cos2x ty = tgx +(c-tgx)cos** y= -2/n/cosx) + cosx (csinx+2coxx) +cx 13 y'= e 7 2 = y' = dy - 2 dx p(x,y) ru y nac son yme konnowi gugg-on p(x,y) p(x, $\frac{d(mR)}{dZ} = \frac{d(mq)}{dx}$ m; R + m R = m; g + m gx $m_2 R - m_2 q = (q_x - p_2 + 1) m = 100$ J UZ XZ my (4: R - 4, 9) = m mu = x(-2 + (ht) - 2 (1-1nt)) = m

my 4-x2- x7 + 1n2-1) - m mu - (x'z'+1) = m. $m' = \frac{1}{u^2 + 1} m$. $m = C \cdot E$ $m = C \cdot E$ $m = \sqrt{\chi^2 Z^2 + 1}$ -x2+-1n7 dx + 1-1n2 olf = 0, 7 U(XFZ)=Co - permenne Ux = - x272-107 => U= 107 x222+1 - In ([x'2'41' + x7) + C(2) My = 1-1n7 (1-1n7) 27 (1n2) $\frac{27}{\sqrt{x^2+1}} + x + c(z) = \frac{(1-\ln 7)(x^2+4) + 7^2 \ln 2}{x + x^2 \sqrt{x^2+4}} + \frac{1}{x^2 \ln 2}$ 7 + x J x 2 + C(2) <- (x 2 4 m 2) (v x 2 4 1 + x 2) + x 2 / # ((星)