TAETGAKOB A.C. ATOZ 10.92) xy+y= 93-10, 10 zagar autura 1+UU=24203 Eng @ Omben x 38 ing + 29 = x9 *35,00 2- (4)

V'= 151 V 3 8, 124 2 (du + Ssing ofg = + c-cosy g - x20 x - cosq) mbem: g = x2 (C-cosy), (9 + 2) dx + (x - 32) 2P = 1 = 22 = 1 => 179 a) de - g + 2 ; du - x -4 = S(g + 2)dx + 4(y) = - 2 + 4(y) 2xg 3) X - 3 = X + P'Cy) => P(g) = 110.100) 3 x 2 y 2 x - 2 x 3 x x g + 2 g 3 20 - - 8x - 1 5/8x2 = 1/dx + 1-2x3 = \frac{\pi^3}{\pi^2} + \frac{\pi}{\pi} + \frac{\pi}{\pi^2} + \frac{\pi}{\pi} - \frac{\pi}{\pi} Engen - x 1 x3 - 2 y = 6.

010. 101) (x g + g) dx + (x g + 1 g) dg = 0 - 12-92 +gx = 22 = = = 2 189 57 52, 5x - g = 2 5x20g21 + 9 3 da = x + g = 0x = g = 1x + 959 = 42-921 xxy x g/g) - Ju-g2 = - Jx2-62 + X + P(G) mben: 1x2-92 + xy = (10.102) (2x-gex)dx 40-xdg= 2 / ge - x = 2 2 4 - 2x - 40 12x-9-e-xxx + p(y) - x2+g8x+g (2x+e 1991 = 2 2 . 0 19 = e 18 + y e 14 X2+yexy=c

5 92 dg - 5 (x-2x) dx x - x2 + 0 / . 3 Omben 9 = 3/3 x - 3x2 + C 10. 150) xy +y = 92 ln x 9' = y2 enx - 8 9 - 40 => 9'- 40 40' 4 V (u/x x) + v'u = 4202 Cox du - - - - - x U'x = 1/2 Phx 1: x 9/9=0) 194 - Senxdx - = x Cpx - x ec mbem. 9 = enx +1+ ex, 9=0 118-151) 3x +9-2+9' (x-1)=0 9 = 2 - 3x - 8 9 = ac => 4 - a' 6x c' ce 2 (u' + u' u = 2 - 3x - 40 2 (u' + u) + v' u - 2 - 3x dy = -4 => Chu = - Ch/x-1) => u = x-1 $\frac{U'}{V-1} = \frac{2-3x}{x-1} = 70 = 2x - \frac{3x^2}{2} + C$ Onlem: (29 + 3x -1) (x-1) = C