TPET69408 A.C. AT-02 13-9 10 zagar N 10,49) (x2+xy)g/ - x - x2-y2 A K 4 X X 4 4 4 = 4 x x Jx2- x2 4 + x4 2 + x2 4) (4x +4) = 2/14 T 4 x + 4) = 11 - 4 3 -3 -42=0 -1 - 11- 42= lb (x1+c 3 = ancsib (x2 + g) dg = 2xy dx 1 dy = 4 dx x x 94 4=4x (udx1xd4) = 2 GOX 3 = 240x -40x-40 4 (2+42) = (6-63)0x is CHES UNID 1903 100 du da THE R 11 60/41 11-41 -

Colul - en 1-41 - Ch (1+41 - Ch x x c Ch /4 = = Ch /x/ + Ca/c/ Onfen: $g = x^2 c \left(\frac{g^2}{x^2} - 1 \right)$ y= ± x 110.60) (x + g + 1) dx + (2x + 2y + 1) dy = 0 91 - - x - y - 1 - 1 2 (2x + 2y - 1) a = 2 x +2 g - 1 = > g = 4 - x + 1 -> g = 4 u -1 = -1 - 3 1 - 24 u'u-z/u = +4-3 $2 \times + 2y = 4$ $\times + 2y = 2$ (4 du 13-3 - Solx 4+3 86/4-3/=x+c 2 x 124 - 1+3 Ch/2x128 - 8/ - xxC Intern: x+29+3 en (x+6-21=0, x+6=2

~10.05) (Jxy'-x) dg = golx - 0, g(1)=1 $= -\alpha$ $= -\alpha$ - Cau - 2 - Cak/ + - en 4 2 Jx = en /x/ y=40 => y/ + y/ - 2 la y=40 => y/= a/V + V/ u u'V + V' u ≠ 4V = 2 lax + 1 4/4/4 (4/4) = 2 CB X 61 => \ \ \ \ \ \ \ \ \ = a/x ± 2 Inbem y = x & x

410,741 g1 = 4193 u y= y = 0 = y=> Du= 1 X = 43 + C 1 = x + 92 x = UU > x2 = 4 U + 0 U 4'V + V'u = 4V + y2 u'v + u (v'-6) = y2 V - = 0 /9=0/ $\int \frac{dv}{v} = \int \frac{du}{g} \Rightarrow e_n v = e_n g \Rightarrow$ Omben: x = 43 + cy, y=0 110,88) y'=29 + 8x - x; g(0) = = y = av => y = a v + v 4 u'v + v' u - 24 v = ex - y a v + u (u / 20) = e1 - x 1) 01-20=0 dy = 2 v => (du - > (dx -) en v = 2 x 2) U1.e2 Y - e X - X 1:e2 X $\frac{du}{dx} = e^{x} - \frac{x}{\rho^{2x}}$ d4 = 5 (0 - = = x)dy = = x x x 1 4 = x c 9=210=e2x(-ex+xe2x + e2x + c) Orden y = -ex + + + + + e2x

110 88) 9=9 (43 cosx + (ga) 1 4 - au > 41 - alu 14 a 0'a = 400 cosx + 40 tgx 1641 + 489 x) +0'4 - 41 64 105 x tgxdx du uygx Sty = en u = en cogx dv 4 - 49 1 "cosx 0 3 C-369 X em- 4 = 605 x = 30 C - 349 x2 12099 + Sin 29 12 = 12 004 141 hzg 12 (056 1 Sihzy Z= X = 2 X X 20054 15/129 3 2= 21 = 0 00 + 00 0 40 + 0 4 = 40 CDS9 + 51h 129 UCW - 4 (059) + UK = 5/1 28

u'= 40 9 54 (dx - 50058 d4 dy csing = sinzq Sd v = Singcost dy 1- -2 91hb +2 +C 2=-(2 Sihy +2) + ce 2 Sing Contem: x2 = ce 9/1/4 - 2 (5/1/6 /11) 110,99) 3dy = - /1 +3g3) y Sinx VA 9 = - 9 sibx + 3 9 9 sibx 2=9-3->=1=-34/391=-21 -+3 21 = - 9 3 1 h x + 36 4 51 px (-3) Z = 1 9/14 x 35/14 x 2 = 2 9ihx + 35ihx = Sihx(2 x 3) (d= = Ssin y dx => eh/2+3/= -cosx=> # 53 = - cosx = 1 = cosx = > c - 2