23#8 3agara 2 x + 6x + y = -84 - 1 = 0 (x2+6x+9)-(y2+84+16)+4=0 (x+3)2-(4+4)2=-4 (x+3)2 - (4+4)2 =-1 => O[-3;-4] Jagara 3 -x2+6x-4y2 +10y+5=0 x2-6x +442-104-5=0 (xL-6x+9) + (441-10gl+6,25)-10,15=0 (x-3) + 1 2 gt - 1,25 pt = 20,25 (x-3)2 + 4(42-1,75)2 =1 => a=J2025 =415 B= J5,005 = 2,25 3agara4 -4x2-10x+242+29-5=0 4x2+10x-242-29+5=0 (4x410x+6,25) - (292+19+0,5) -0,75=0

(JEX+JE) 2 -1 (ex+105)2 -=> Q1=0,1875 B1=0,878=> 4(x+1,25)2 - 2(9++)2 = 1 C=Ja482 = 0,75 => 20=15 sagara 5 2x-42-10y+5=0 ye +104 -2x-3 =0 (ye+10y+25) -2x-24=0 (9+5)2 = 2x+28 4 =-5 x=-14 A P=1 (9+5)2=42 42=2K×+14) sagara 6 2x1+403xy-242+5=0 2(x12 eos & - 2x'g1 cos p sin p + g'2 sin p)+ +453(x2 cosq sinq + 2141cos 24 -x1415in20)-- 912 sin 4 cos q) - 2 (x12 sin24 + ex1 y cos 4 sin ++ ty12 cos24) +5=0

2x12 cos2 p - 4x1 gl cos psin p+2 g12 sin2 p+ +453 x12 0054 sing + 453 x1y1 cost q -455 x1y1sing -45 y'25inep cosq - 2x128in 24 -4xy'cospsing - 2412cost 4 +5=0 x,2 (2 cos2 q + 4 Bx cosq sinq - 2 sin2 q)+ + 412(25in24 - 405 sing cosp - 2008 q)+ + x'g'(-8 cos qsin q + 45 cos eq - 453 sin q)+50 -8 cospsing + 45 cosep - 45 sine = 0/: -45ing 2 ctg 4 - J3 cbg24 + J3=0/ ctg 4 = t 2t-512 +5=0 => t,=53 t2=5 ctop=5 =) 4- It in nel etg 4 = - 1 => -6 = 21 + The he7 4= [

Jagara 7 7x2-25x9+x(-42-253)+592+3(10+65)+6 +70=0 { x = x + a the yeabherne wheen bug a, x2+2a12 xy + la13x+a22y2 + 2a23 y + a33=0 lge a = 4 a 12 = 5 a 13 = -24-53 a 22=5 OL25=5+373 ass=65+40 ≥ | au au = | + -5 = 32 >0 => gan×o +a12 yo +a13 =0 => € 4xo-53yo-21-53=0 lane×o +0122 yo +a23=0 => € 53×o+5yo+5+355=0 xo=3; yo=1 Devalue nobopon 7x200524 -14x1410054 sin4+7412sin20 = 7x -253 xy = (x12 cos q sinq+ x'y' cos2q- gx'sinq-q'sinques (-42-25) x = (-42-25) x1 cos up - (-42-25) y1 sin4 (tot 653) 4 = (10+65)x'sinp+lo+65)y+cosly 5921 = 5x12 sine 4 + 10 x1 g1 sin 4 cosp +5912 cosp

X1411 -400545in4 -250024 +253sin24) = 0 /20054 Jstg = - 2tg 4 - Js=0 (=> tin = Js , - f=> => == 330° sagara 8 9x2-50J3×9+×(42-50J3)+59y2+9(118-202J3)-202J3+44=0 a 12+ 2a12 xy + 2a13 x + arz y2 + 2a23 y + a35=0 a11 = 9 a12 = - 25 5 a13 = 21 - 25 5 a22 = 59 023 = 53 - 101 J3 033 = 44 - 202 J let A = | a11 a12 | = | 9 -25 \ 59 | = -1344! \ 0 (a, xo + a, 2 yo + a, 3=0 = x 9xo-25√3yo-25√5+21=0 xo=-33/4 2 a, xo + a, 2 yo + a, 3=0 = x -15√5xo +53yo-101√3+53=0 yo=-1-25/4 0/33 + a11 x'2 + 2a12 x'y' + a22 y'2 =0 a33 = a13 x otaes yo tass Q3 = x0(21-25B) +40(59-101B)-102 B+44 ass = - 5835 - 55+ (-1 - 25) (59-1015) 9x1-50J3x141 +59412-583J3-55+(-1-253) (59-10/13)=0 x'= x"eos 4- q sin q g'= x spa 4 + g cosp cos(24= au-au cos 84= 5 4= 16 sin 00=1 x1 = 15x - 4 y1 = x + 354.

Bagara 80 => 3x12-5055 x141+59 y12- 58355 -55+(-1-25)(59-1015)0 5年至十三年1250万(至十三年)(至一五)+9(至一五)250万 -55+ (-1- (5) (53-1015)=0 (=> -16x2+8492-1020 x - 1 =-1 Robertier unersang na 300 naegreel a = 0,82 B = 1,71 => E=c/a = 2,5 P=62/a=3 Bagara 10 1655L2 xy -288L2 + 14453L2 + x2(8-812)+x1-48L2+4855L2+52) + 42 (8-24/2)+ 41-144/2+ 4855/2+1655+48)+485+96=0 2=6 (a-d) sin24 = 28cos 24 1612 sin2 p = 16512 cosep 1: 165312 sin2 9 1= 55 Ctg24 9= The costin sinton

(x12+cos2 q-2x1y1cosqsinq+g12sin2p)(8-812)+ +(x12 sin2 q + 2x1 y 1 cos q sin q + y 12 cos (q) (8-24/2)+ +(x12 cos q sin q + x1y1 cost q - y1x1 sin2q-y12 sinq cosp). · 165 L2 + (x'cosp - y' slup) (-48L2 + 485L2+32)+ +(x'sinq +g' cosq) (-144/ +4853/2+165+48)-288/2+ +14453 12+4853+96=0 Kersu you x'2 u 4'3 Bolgantalile x12(800524-8/20054 +85in24-24/25in24+1653/2004psin4) 912(85in26 - 8/25in20 +8cos4 - 24/20054 - 1855/20050) zuerekul sint u cost Toemable holywell! X"(6-612+1-612+1212) = 8 x12 g12 (2-212+6-1812-1212) = g12 (8-32/2) elle znahu koza npu x12 u y12) => e = J 82-02 = J K + K 8-37/2 / 8-37/2 = [K(1+4L3+1), 8-37/2 8-32/2 0412 = 6 412 = 36 12 = 9 L=±3

iogara 1 21 ×2 +65 ×y +× (-84 -85) +15y2 +y+30-125)+ +125+119=0 Tyuloguu k Khappomurgiony bugy B=21x1 +65xg +15y2 65/2/ |21 - 1 303 | = |35 15-4| 11=12 12=24 =(-1+15)"(-1+24)-24=0 => alolenco Beig kb. opogelete 12 x 2+249,2 1=12 $(21-12) \times 1 + 3\sqrt{3}y_1 = 0$ Cosuberribe Bernox bub, reggy $3\sqrt{3} \times 1 + (15-12)y_1 = 0$ L=12 upu $\times 1 = -35/3$ $\times 1 = (-5/3,4)$ T= (-5/3 , 1) J-53/32+12 = 25/3 upu de = 24 (21-24) x, + 3 vsg, = 0 = 2 (5,1) 3/3×++(15-24)4,=0 J=(5; 1) => 12 x2-1253x, +24x+24y, 2-4855y-24y, +125419 %(×1+53 -30-1253+ 55+4)2+1,2(9,+53, -84655 5-581) 2(×1+53 -30-1253+ 55+4)2+1,2(9,+53, -84655 5-581)

Jagara 3 193 1202 + 123/2 42 +75 5 L2 + 504/2 + ×9(24/246) = 5 + X (25 52 L2 + 89 L2 -12 + 52) + y (-219 L2-25 57 L2 574) -12+3VE=0 A = 12362; B = 276246; C = 12362 $\Gamma(1) \begin{vmatrix} A-1 & B \\ B & C-1 \end{vmatrix} = \begin{vmatrix} 1231^2 - 1 & 271^2 + 6 \\ 271^2 + 6 & 1231^2 - 1 \end{vmatrix}$ (123/2 -1)2 - (27/2+6)2=0 151296 - 123 1 L2 + 12 - (729 64 + 314/2+36)=0 Des moro, rmobe kjubat emuculada napasony une repullyso 1, 12=0, m. e. 10sopopuqueum upu 1=1, goisseen bamb=0 1512919 - 72919 - 324 12-36=0 40069-362-1=0 R=12 $400R^{2} - 9R - 1 = 0$ D = 412 $R = \frac{9+41}{800} = \frac{1}{6}$ $L = \frac{1}{6}$ $L = \frac{1}{6}$ L=R L=VR