Kompolona podonce 3 Conggenna zyme MMi-24 Honuna sua 1) X, = X, A= (10) x2 = 4x1 + 5x2 1-20 9 5-2 = 2-62 +5 = (2-1)(2-5) N=1 , N=5 n,: (00)(2)=0 a, = - B, h, = (-1) 12: (40) (3)=0 -47 = 0 | -42 = (0) d=0

Reconinum Tuen ocodiulai mouri - Byzal (H1) n=1 | h= (1) Az= 5 | hz= (0) X = - 5 X 2 Myssolei izanin Mua 2) Sx = 1 2 y = 2 x d(x-y)=0 2 x . dx = 1. dy u(x,y) = (x2-y)

3) a) (x = (x-1) 2+y2-4 3 g = (++1)2+ y2-4 ((x-1)2+ y2-4=0 2 (x +1)2+y2-4=0 g2=4-(x+1)2 (8-1) + 4 - C+11) -4 = 0 x - 2x +1 - x = 2x -1 =0 -48=0 Ocadula morna x = 0 $y^2 = 3$, $y_1 = \sqrt{37}$ (0; $\sqrt{5}$) $y_2 = -\sqrt{37}$ (Dai) (0; 05) (0; -237) Sx = x - 3y - 2 (g = 6y-2x+4 $\begin{cases} x - 3y - 2 = 0 \\ 6y - 2x + 4 = 0 \end{cases} \Rightarrow \begin{cases} x - 3y - 2 = 0 \\ -2x + 6y + 4 = 0 \end{cases}$

0=0 (2+39, 4) MAR Y ER (Gezier $6) \begin{cases} \dot{x} = x - y \\ \dot{y} = xy - zp + 1 \end{cases}$ Sx=y xy-201=0 y - 29 +1 = 0 Ogna occourse (g -1)2 = 0

6) (x = (4-1)(y-1) y = (x-2)(y-1) $\begin{cases} (x-1)(y-2)=0 \\ (y-2)(y-1)=0 \end{cases}$ (1;4) (2;2) (x-1) (y-2) = f1(x1, x1)= xy - x2-y+2 (x-2)(y-1)= f2(41, x2) = xy-x-2y+2 2f, = (x -1) df2 = (x-2) Je, = (y -1) a) AUA/18/1 A = (0





