Dansembl porsamo 10 Come N 19.5 U: C, (x) cosx + G (x) sinx (c,(x) cosx + C'(x) sinx = 0 1-6'(x) sinx + 6'(x) cosx = sinx W[cosx, sin x] = cosx sinx = cos x + sin

Cocourse $C'_{+}(x) = \frac{A_{1}}{W} = \frac{-1}{7} = -1$ $C_{i}(x) = -\int dx = -x$ $C_{j}'(x) = \frac{\Delta_{2}}{N} = \frac{Ctgx}{7} = Ctgx$ Ga(x)= Stax dx = - + TO VCOSX+ ME-X-COSX - MILOSANKING C2(X) = S CEBX dx = in 15 in X1 U = -x cosx + intsiax sinx Omsen: y = C, cosx + C, sinx - x cosx + In I sinx | sinx

	N20.3	General
CHARLE TO		
1241 = 344	+ 42	
BX.		
7 442 = 841	+ 42	
dx.		
A = (3 1)		
A= (8 1)		
set (A-KE)	= 0	
3-x 1		
	= (3-K)(4-K) -8=	. 0
3 1-K		
3-3K-K+K	2 0 - 0	
2-44 F	0 - 0	
x3-4x-5=0		
0 - 16 + 20 -	36	
14: 4-6 =	-7	
K2 = 446 =		
1	5	SE SEPERIOR

femerica some considerations Tour codemberness semmonos no granugel (A-K, E) x(1) = 0: (3+1)C1+C2=0 4 (, + 6, =0, 0, = -4 (, coscuser conney (-40) Jun x = 5: (3-5) C, + C2 = 0 -2C, +C, =0 $C_1 = \frac{7}{2}C_2$ Codembermoni cennon (+ c2)

y = 4 = (4) ex + (2) ex + (1) ex + (1) ex = 1 Durben: y = (C, e + C, e x)

N20.4 (dy1 = -41 + 842 1 dy2 = y1 + y2 $A = \begin{pmatrix} -1 & 8 \\ 1 & 1 \end{pmatrix}$ det (A-KE) = 0. -1-K 8 = (-1-K)(1-K) -8 =0 -1+K-K+K2-8=0 K2 = 9, K2 = -3, K2 = 3 { e3x; e-3x } - goyrigorielsemacorroll wenner nemercus

Cherce они собственных декторов по promyce (A-KE)X(1) =0: (1-3) Cy +8C =0 Cr = 1 C1, codembleression semmon Jepu K = - 3: (-1+3) C+ +8C, =0 Cy = - 4 C2 codemblemoni slamp y= (41) = (C1) e3x + (C2) e 1 Cye x + C2 e x 1 Cye x + (-4) C2 e x Quelus: y = (C, e x + C, e xx 7 C18 - 46, e3x