Worksheet 2 1. 20 gLV: x = x (Mx + Mxx x + Mxy y). y = y (My + Myx (A Myy y) SA Call Xa = MXXX, Xb = Myy y => xa =-Mxx x , xb =-Myy y =)  $\chi_a = -M_{XX} \chi$  /  $\chi_b = M_{XX} \chi$  /  $\chi_b = M_{XX} \chi_b$  /  $\chi_b = M_{XX} \chi_b$ - Xb = - The (My - Myx Ya + Xb) Mba = - Myx
Myy = Myy (My - Mxx Ya + Xb) Mba = - Myx => Xa = Xa(Ux - Xa+ Mab Xb) - sign conventions can be in \* X6 = X6(My + MSa Xa - Xb) terms are negative. MAK 2, Theorem 1.1.2 condition: 1/VCR) =0 and VCXI>O (+ x + 7. 2) V(X) <0 in U-18) Test condition 2: V(Xa, Xb) = Mba & Xa + Mal & Xb-Mba Xa Ma - Mab XsMs + Mas Mba Xaxs VOXaxx6) = Mbaxa· Xa + Mab Xb· Xb - Mballa xa - Mab Mb X6 ST WW + Mas Mba Xa Xo + Mas Mba Xa Xb = 7a. Mba (xa-Ma+Mabxb) + xb Mab (xb-Mb+Mbaxa) From the previous problem, VEXacXb) =-Msa Xa (Xa-Mat Mas Xb) - Mab Xb (Xb - Ub + Msaxa) In domain (Nazo, No 20, it is negative, W K