8) find the characterstive polynomial and the eigenveloes of the matrix 130-3	•
eigenveilies of the matrix / 3 0 -3)	9
1 2 5	-6
det(A-LI)=0 $3 0 3$	(
13-2 6 -3	9
Cet 1 2-2 5	-0
3 0 3-2	9
	0
200 13-1-31	•
= an(22 = (2-x) 6+ 3 3-x)	•
	•
0= (2-1) (3-1) +9 = (2-1) [9+2-62+9]	6
A STATE OF THE PARTY OF THE PAR	
Cher. Polynemed: (0= (2-2) (12-61+18)	
	(
6 2 136-4(8)	
λ= 2 3 ± = 3 ± 3 ξ	
Eigenreilles: 1=2, 1=3±3i	_