Name :	First Semester	Section:
	Roll No.:	Problem No. :
(E) (	· · · · · · · · · · · · · · · · · · ·	
(a) Griven Transfer bur	retion is KCS+3	)(S+4)
	(3+1)	(8+8)
Poles of the Briven	transfer function	1 1'5 -1,-27
oliven ha	moter bunction	is -3,-4
No. of poles = No. of	Zeroes	
No. of asymptote	s Equals to Zero.	
All the poles and ze		hence. Hyu is no
Angle of departure or	angle of arrival.	
for Breataway (a) Brea		use characteristics acc
(C)		
(3+1)(3+2) + K(:		
$\Rightarrow k = -(s+1)(s-1)(s+3)(s+3)(s+3)(s+3)(s+3)(s+3)(s+3)(s+3$	+2) (+4)	
		- (S+1)(S+2)(2S+7)
€ (8+3	(S+4)(25+3) =	20 (SH)(S+2)(2S+7)
(2,700)(0	US+3) = (3+3S+3	2)(25+7)
	0-2 (010,01 = 9	B+62+4S+
/	1	10 1 413
≥ 45 <sup>2</sup> + 205+	22=0 > -1.6339	Break away point  Break in point
≥> 25 <sup>2</sup> + 105+ 11	$\stackrel{>}{\longrightarrow} -3.3660$	Break in point  for zeroes.

