EE 231 first semester AY2021-2022 : Homework 5

1. Skectch the root locus of the transfer functions whose poles and zeros are as given below. Compute the breakaway point(s) and asymptote(s), and use them in your sketches.

	poles	zeros
a)	0, -3, -4	-5
b)	0, 0, -4, -4	-5
c)	$-1 \pm j$	-2
d)	0, $-1 \pm j$	-2
e)	0, -3, $-1 \pm j$	none

2. Use Octave (or Matlab) to verify your sketches.