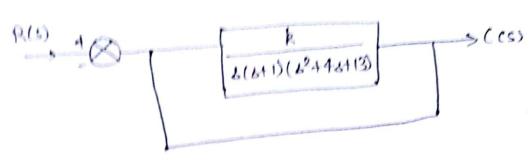
Quiz - 6 Solution Find | Draw the root locus for the following: -



1) Number of brances = # of closed toop poles Open, Poles are 6=0,-1, -4+ 16-52

: # of bronces = 4

1) Il has to be symmetric about o-oxis.

3) Real axis intercept. on = Efinite poles - Efinite zeros # finite polar - # finite zeros

$$= \frac{0 + (-1) + (-2 + 3i) + (-2 - 3i)}{4 - 0}$$

Angle da = (31-11)-11 = (2k+1) 71 onter k=0,1,2,3... 

As & -, 00, func. - 10 => Fazero at 00 This function also has zeros at o. (# = 4)

