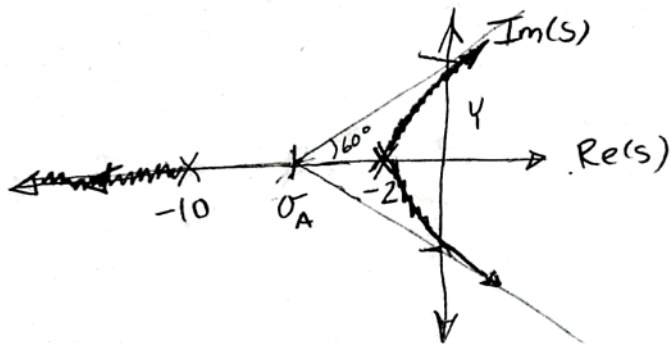


Sketch Root Locus:  $L(s) = \frac{1}{(s+2)^2(s+10)}$



$$\sigma_A = \frac{-14}{3} = -4.7$$

$$\phi_A = \frac{2q+1}{3} * 180 = 60^\circ, 180^\circ, 300^\circ$$