Tutorial 3

1. Sketch the Nyquist plot of the following OLTF and comment about the stability:

a) $G(s)H(s) = \dfrac{90}{(s+3)(s+6)}$

b) $G(s)H(s) = \dfrac{10(s+3)}{s^2 - 4}$

c) $G(s)H(s) = \dfrac{10(s+3)}{s^2 - 4}$

d) $G(s)H(s) = \dfrac{10(s+2)}{s^2(s+3)}$

2. Sketch the Bode plot of the following OLTF and comment about the stability:

a) $G(s)H(s) = \dfrac{10(s+10)}{s^2 + 3s}$

b) $G(s)H(s) = \dfrac{30(s+10)}{s^2 + 3s + 50}$