1. Sketch the Nyquist plots for the following transfer functions:

① $G(s)=\dfrac{10(s+1)}{s^2}$

② $G(s)=\dfrac{10}{(s+1)(s+2)s}$

③ $G(s)=\dfrac{10(0.1s+1)}{s^2(s+1)}$

2. Sketch the Nyquist plots for the following transfer functions:

② $G(s)=\dfrac{50}{s^2(s^2+s+1)(6s+1)}$

③ $G(s)=\dfrac{10(s+0.2)}{s^2(0.1s+1)}$

④ $G(s)=\dfrac{8(s+0.1)}{s^2(s^2+s+1)(s^2+4s+25)}$

3. B-7-7, B-7-8, B-7-12