### MECH366 Modeling of Mechatronic Systems
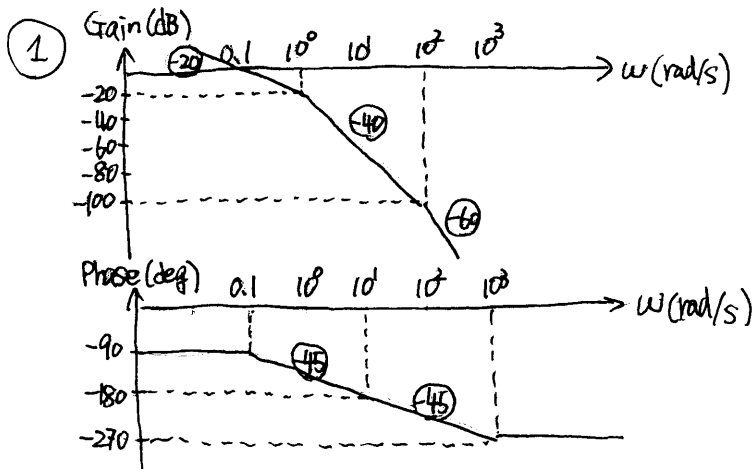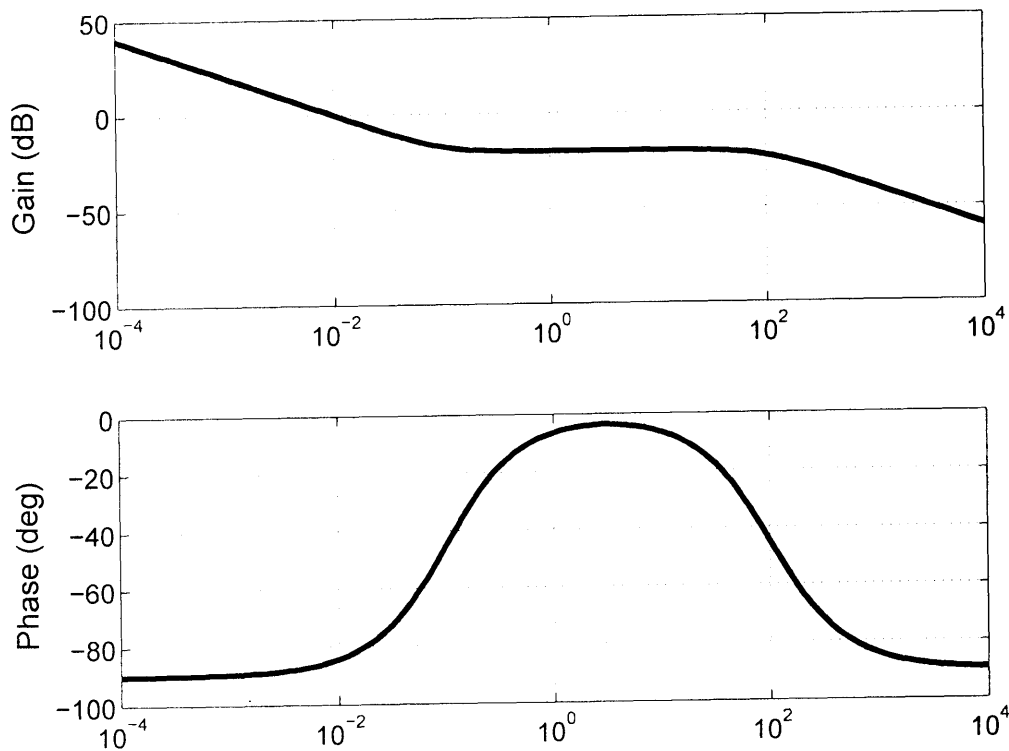### Homework 8 (LAST homework)

### Due: November 26 (Monday), 2018, 6pm      (Solution)

1. Sketch the Bode plot for the following transfer function. (You can use the straight-line approximation.)

$$G(s) = \frac{10}{s(s+1)(s+100)}$$

2. For a given Bode plot below, obtain (guess) the corresponding transfer function. (For your practice. it is better not to rely on any calculator or Matlab in answering this question.)





$$G(s) = \frac{10(s+0.1)}{s(s+100)}$$