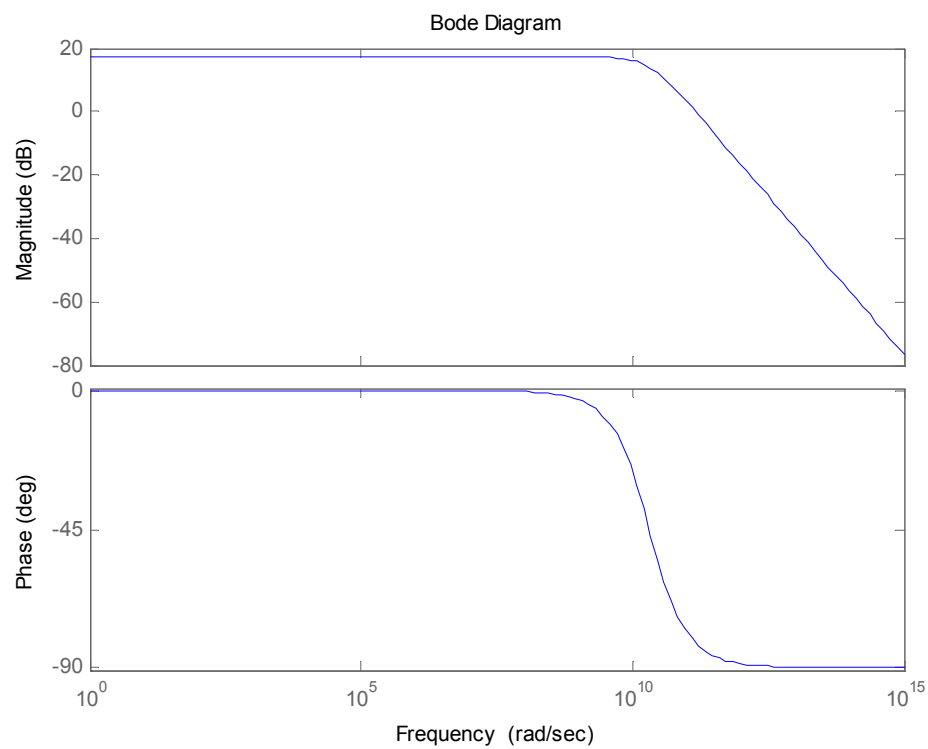


12.51

12.51 ant'd

$$R_{in} = R_1 || R_2 = 666.7 \text{ k}\Omega$$
$$R_o = \frac{1}{g_m + \frac{1}{R_2} + \frac{1}{R_3}} = 479.69 \Omega$$

2c.



For the small signal part of the answers for problem 2, please refer to the announcement on August 5th.