2/1/18 Homework of Many Muheon 3.2, 3.4 3.2) 6= 60dB Vi= 3mV Vo=? 608 = 20 log. (V.) 60 = 10910 (xo3) V) = .003 · 103 = 3 V 3.4) Ro: 12052 min R; for load error ~10% ex: 120sc LERROR = Upgon - Vafter .01.10= 01 V diff Valor = 10 VAHLER = 120 +x (10) 01 = 10 - 1200 R. 12,000 C

3) a) prace charge as a function of frequency

- linear
b) common mode rejection reduction

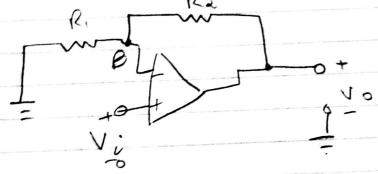
- infinite
c) input resistance

- infinite
d) out put resistance

- O

4) 3.11 figure: derive $\frac{V_0}{V_i}$ for

non-inverting op-amp



B= Vi J, = Vi I, = Vo-Vi Rz

$$\frac{Vi}{R_i} = \frac{V_0 - Vi}{R_2}$$

$$\left(\frac{R_2}{R_1}\right)Vi = V_0 - Vi$$