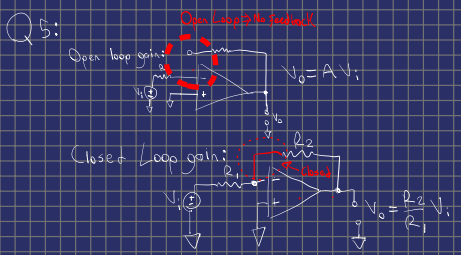


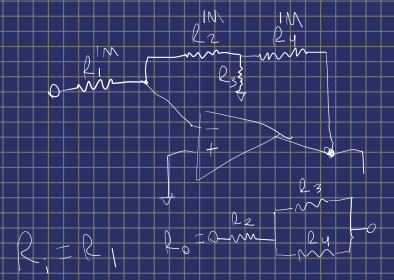
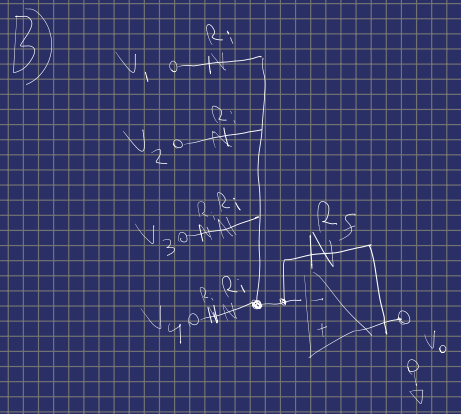
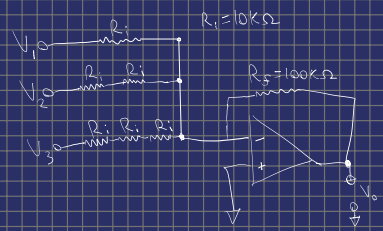
Q4:

CMRR  $\rightarrow \infty \rightarrow$  Common signal  $\rightarrow 0$   
 to make CMRR increase make your resistors match.



Q6:

A)  $-[V_1 + 2V_2 + 3V_3] = V_0$



$$\frac{R_1}{R_2 + R_1 + R_3} = A$$

$$\frac{1}{A} = \frac{R_2(R_1 + R_3)}{R_1}$$

$$\frac{1}{A} - R_2 = \left[ \frac{R_1}{R_2 + R_3} \right]^{-1}$$

$$\left[ \frac{R_1}{A} - R_2 \right]^{-1} = R_1 + R_3$$

$$\left[ \frac{R_1}{A} - R_2 \right]^{-1} - R_1 = R_3$$

$\therefore$

$A = 5.025 K\Omega$   
 $B = 52.63 K\Omega$   
 $C = 1 M\Omega$

