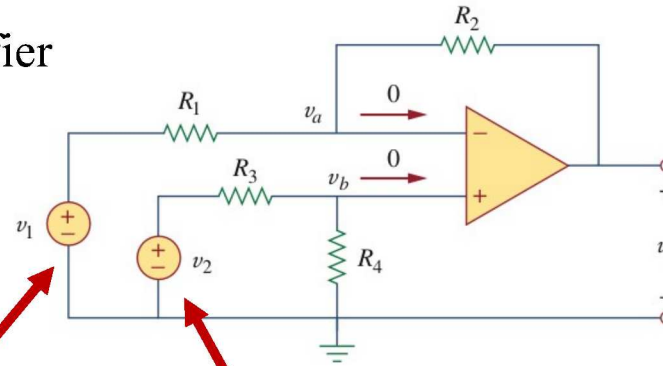


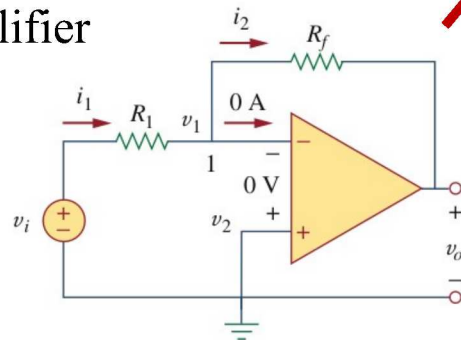
Difference Amplifier

$$v_o = \frac{R_2(1 + R_1/R_2)}{R_1(1 + R_3/R_4)} v_2 - \frac{R_2}{R_1} v_1$$



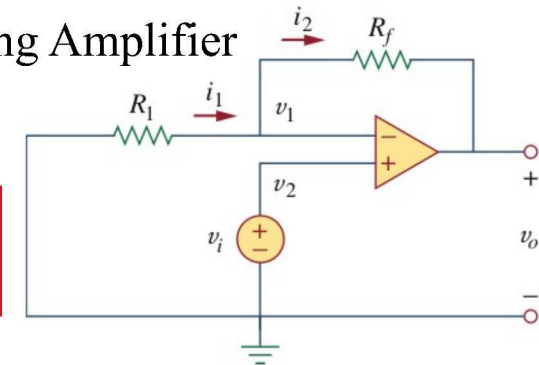
Inverting Amplifier

$$\frac{v_o}{v_i} = -\frac{R_f}{R_1}$$



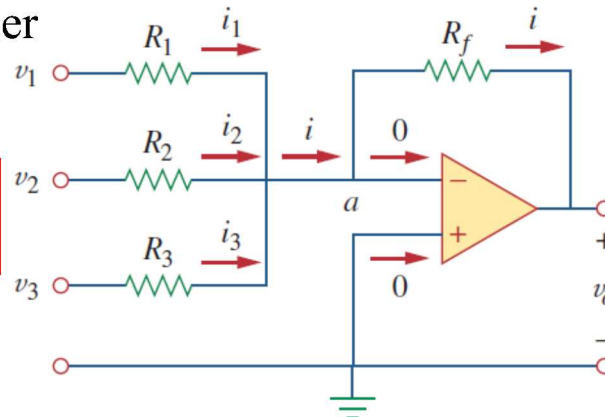
Noninverting Amplifier

$$\frac{v_o}{v_i} = 1 + \frac{R_f}{R_1}$$



Summing Amplifier

$$v_o = -\left(\frac{R_f}{R_1} v_1 + \frac{R_f}{R_2} v_2 + \frac{R_f}{R_3} v_3\right)$$



Voltage Follower

$$\frac{v_o}{v_i} = 1$$

