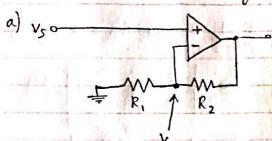
Basic Amplifrer Budding Blocks



Non-inverting b/c gam is D.

$$V_0 = V_5 + V_{R2} = V_5 \left(\frac{R_1 + R_2}{R_1}\right)$$

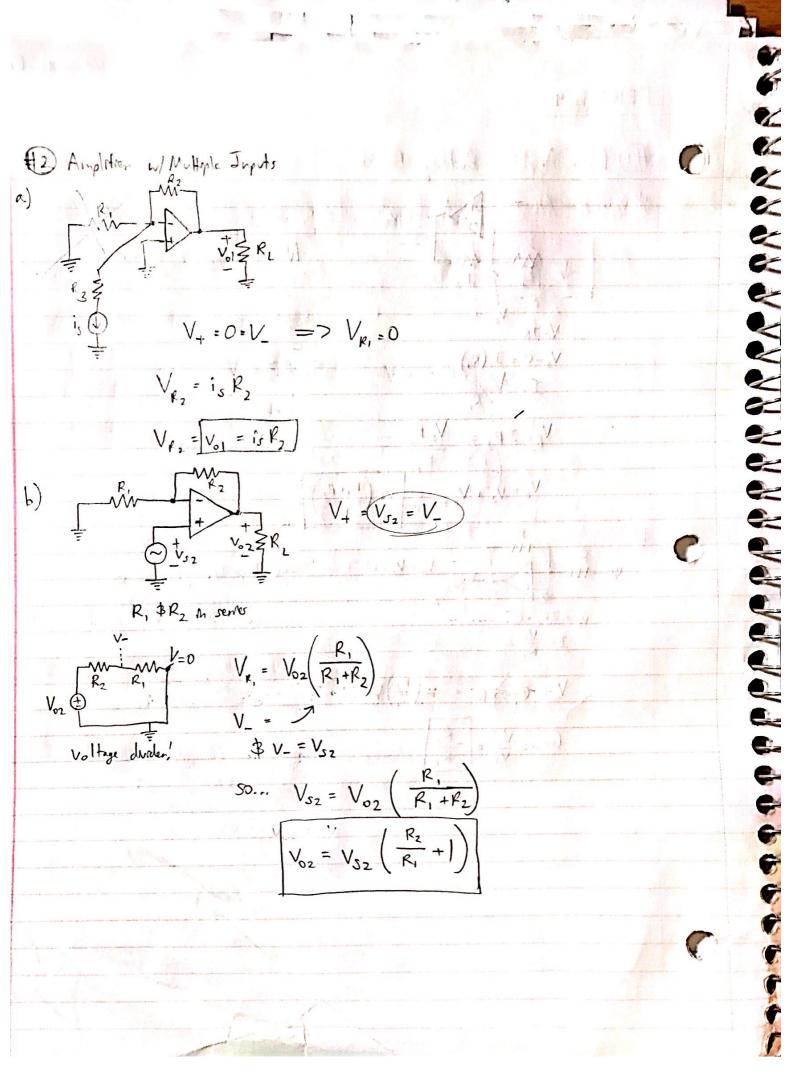
V+=V-=0 Inverting b/c gath is @

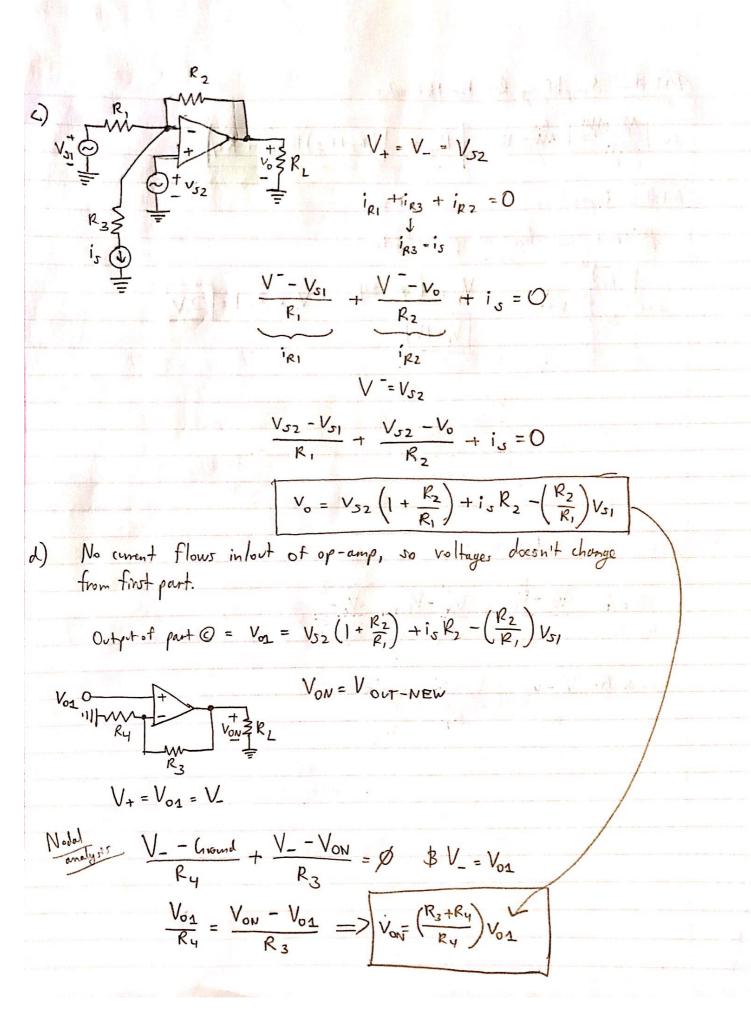
$$V_{s} - IR_{1} \cdot O$$

$$I = \frac{V_{s}}{R_{1}}$$

$$V_0 = 0 - IR_2 = -\left(\frac{R_2}{R_1}\right)V_5$$

Gain =
$$\frac{V_o}{V_s} = \left[-\frac{R_z}{R_1} \right]$$





MT #3) Simplifying Resistor Networks A0 R2 R3 WOB Reg = [(K2+R3)||R,] + R4 MT#4 (apacitors & Treat capacition as open convits $3V \bigoplus_{2\ell_1 \leq \nu_1 \atop \nu_2 \atop \nu_4} v_3 \qquad \bigvee_{k_1 = \frac{1}{3}} x_3 = 1 \qquad \bigvee_{2 = 3 - 1} = \boxed{2V}$ MTHS Ladder Nodal Node A: $\frac{V_A - V_B}{R_1} + \frac{V_A - V_1}{R_2} + \frac{V_A}{R_2} = \emptyset$ Node B: $\frac{V_B - V_2}{R} + \frac{V_B - V_A}{R} = \emptyset$

