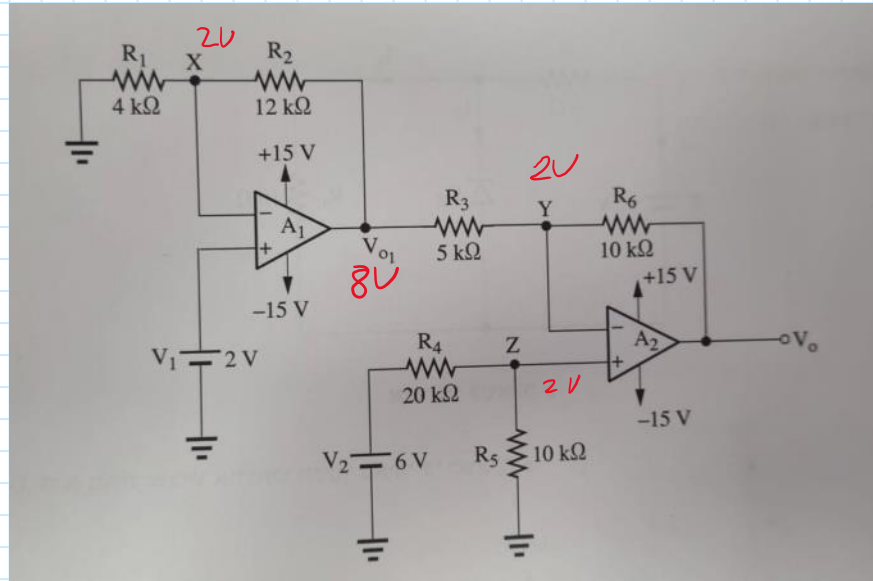


$$V_X = V_1 = 2V \quad (1)$$

$$V_Y = V_Z = \frac{V_2 \cdot R_5}{R_5 + R_4}$$

$$V_Y = V_Z = \frac{6 \cdot 10}{20 + 10} = \frac{60}{30}$$

$$V_Y = V_Z = 2V$$



א1 - מנע קר ע/ק2

$$V_{01} = V_1 \cdot A$$

$$A = 1 + \frac{R_2}{R_1} = 1 + \frac{12}{4} = 4$$

$$V_{01} = 2 \cdot 4 = 8V$$

$$V_0 = V_Y = 2V$$

(3)

$$I_3 = I_6$$

(E)

$$\frac{V_{01} - V_Y}{R_3} = \frac{V_Y - V_0}{R_6}$$

$$\frac{8 - 2}{5} = \frac{2 - V_0}{10}$$

$$12 = 2 - V_0$$

$$V_0 = -10V$$