

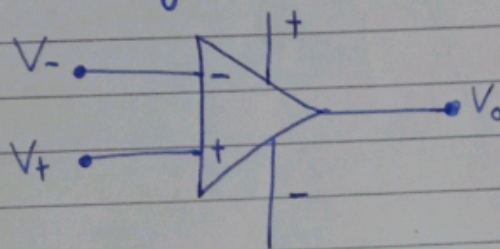


Name: "M-Musab Awan"

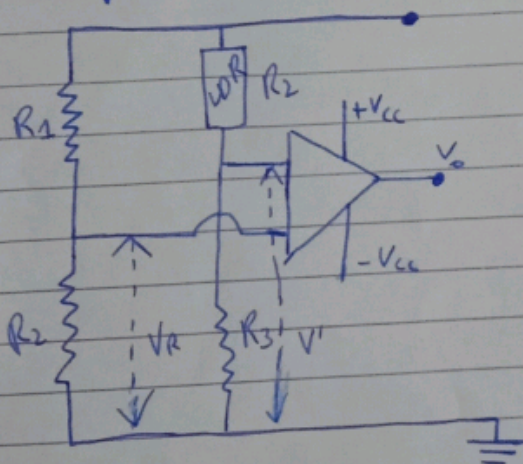
Class: "2nd Year"

## "Assignment of Physics"

Q:1: Circuit diagram of op Amplifier



Q:2: op - Amplifier as a voltage divider

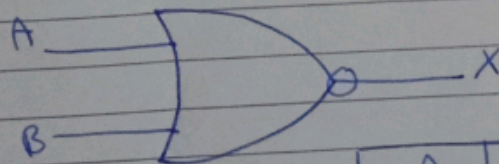


Expressions

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

$$V_- = V_{R3} = \left( \frac{R_3}{R_3 + R_4} \right) (V_{cc})$$

Q:3: Nand as a Not Gate



$$X = \overline{A \cdot B}$$

A	B	$\overline{A \cdot B}$
0	0	1
0	1	1
1	0	1
1	1	0