

# Inverting Operational Amplifier

## Student Group

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## Inverting Operational Amplifier

Build the following circuit in [figure 1](#) with the power supply and a multimeter.



Fig. 1: Inverting Op-Amp

$U_{DD} = 10\text{ V}$ ,  $U_{SS} = -10\text{ V}$ ,  $R_2 = 100\text{ k}\Omega$

Calculate the necessary value for  $R_1$ , so that the Output  $U_{OUT}$  is 5 V. Use the supply voltage of the operational amplifier for  $U_{IN}$ .

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