

Inverting Operational Amplifier

Student Group

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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 from the operational amplifier for U_{IN} .

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Last update: 2026/03/31 11:45

