

# Inverting Operational Amplifier

## Student Group

First Name	Surname	Matrikel Nr.

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## Inverting Operational Amplifier

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

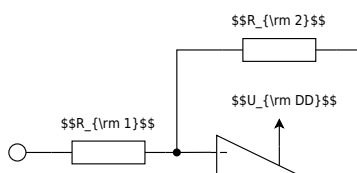


Fig. 1: Inverting Op-Amp

$U_{\text{DD}} = 10\text{ V}$ ,  $U_{\text{SS}} = -10\text{ V}$ ,  $R_1 = 10\text{ k}\Omega$

Calculate the necessary value for  $R_2$ , so that the Output  $U_{\text{OUT}}$  is 5 V. Use the supply voltage of the operational amplifier for  $U_{\text{IN}}$ .

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