

# Inverting Operational Amplifier

## Student Group

First Name	Surname	Matrikel Nr.

## Table of Contents

Inverting Operational Amplifier ..... 2

## Inverting Operational Amplifier

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

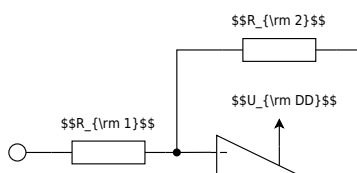


Fig. 1: Inverting Op-Amp

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

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  $U_{IN}$ .

From:

<https://wiki.mexle.org/> - **MEXLE Wiki**

Permanent link:

[https://wiki.mexle.org/lab05\\_en/inverting\\_op-amp\\_basics\\_amplification?rev=1774954068](https://wiki.mexle.org/lab05_en/inverting_op-amp_basics_amplification?rev=1774954068)

Last update: **2026/03/31 12:47**

