

Exercise 1a

input parameters: $a, b, c \in \mathbb{R}$ in $ax^2 + bx + c = 0$

create a Matlab function file wortel.m

with input a, b, c

and output: x_{\min} = smallest (in absolute value) solution of the two x_1 and x_2

if $D < 0$, then a message should be displayed

for $a = 0$: no error message may occur.

- combinations of a, b, c are given: try those!
- check the solutions from your matlab-experiment
- what happens in one of those cases?
 - try to repair this, by adjusting the formula

