

## Homework #2: Solving a Quadratic Equation

Write a program calculating the real solutions of  $ax^2 + bx + c = 0$ .

- The program should get  $a, b, c$  as input.
- The function calculating square roots in C is `sqrt()`. In order to use it, and many other mathematical functions, the line:

```
#include <math.h>
```

should be inserted at the beginning of the program.

- To square a number, it is easiest simply to use multiplication.
- Make sure to cover all the possible cases of number of solutions.
- As in the previous homework submission will be done by sending the grader, in attachment, three files: The program file (the C code file), an input file and the corresponding output file.
- Homework should be submitted until the next exercise and your programs are required to compile and run on the university computers.

Good luck