# Gobal example, from the ExSol package 

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## 1 Introduction

In this text we explain how to wolve second-order polynomial equations.

## 2 Solving second-order polynomial equations

The roots of the following equation

$$
\begin{equation*}
a x^{2}+b x+c=0 \tag{1}
\end{equation*}
$$

can be determined as:

$$
\begin{equation*}
x_{1,2}=\frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a} \tag{2}
\end{equation*}
$$

## Exercises

Exercise 2-1: Solve the following equation for $x \in C$, with $C$ the set of complex numbers:

$$
5 x^{2}-3 x=5
$$

