An Example Lecture
Some basic math

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Overview

Lecture notes can combine prose, equations, tables, and examples in a single Quarto document. The format uses the same Typst-based typography and metadata conventions as the other ctk-* templates.

The quadratic formula is

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}.$$

An example

Suppose that $a = 1$, $b = -3$, and $c = 2$. The roots are therefore $x = 1$ and $x = 2$.

Solution. Substituting the coefficients gives

$$x = \frac{3 \pm \sqrt{9 - 8}}{2} = \frac{3 \pm 1}{2}.$$

A small summary table

Quantity	Value
a	1
b	–3
c	2

The .solution block is labeled automatically when shown, and disappears when hide-solutions: true is set in the format options.

This is done with Typst's hide feature which will keep spacing for the solution, even when it is not shown.