

# Sample use of automatic numbering

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## List of exercises

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## This is the first section

### Exercise 1

This is the first exercise. Have also a look at the Theorem 1.1 (Needed for the second exercise), the exercise 2 and the exercise 3.

*Theorem 1.1: Needed for the second exercise*

This is a the first theorem. Look at the exercise.

### Exercise 2 (*This is the second exercise*)

Use *theorem 1.1* page 1

**Example 1** This is the first example of the first section

**Example 2** This is the second example of the first section

## **This is the second section**

**Example 1** This is the first example of the second section

*Theorem 2.1:  $a = b$*

Another theorem. Can be useful in

*Theorem 2.2*

A last theorem.

**Example 2** This is the second example of the second section

### **Exercise 3**

This is the third exercise.

Unnumbered #