# Decoration

**Author**

## Document Name

Other information (e.g. 1st January 2025–27th September 2025)

# Contents

Chapter 1

# Name of First Chapter

This document can be used as a compilation of all work one produces in a course. For instance, it may include self-proofs of given theorems and all homework submissions.

## 1.1 Name of First Section

### 1.1.1 Theorems

Contents of the first subsection of this document

**Theorem 1.1.** This is the first theorem.

**Proof.** This is my proof of the first theorem. 

### 1.1.2 Exercises

**Exercise 1.1.** This is the first exercise.

**Answer.** This is the first answer to the first exercise. 

### 1.1.3 Homework #1

**Definition H.1.1.** This is the first definition of the first homework.

**Exercise H.1.1.** This is the first exercise of the first homework.

**Proof.** This is the first proof of the first exercise of the first homework. We can easily reference labels from `main.tex`, e.g. theorem 1.1. 

**Exercise H.1.2.** This is the second exercise of the first homework.

**Proof.** This is the first proof of the second exercise of the first homework. We reference exercise H.1.1 here.

**Exercise H.1.3.** This is the third exercise of the first homework.

**Answer.** The answer to exercise H.1.3

We insert figure H.1.1 as an example figure:

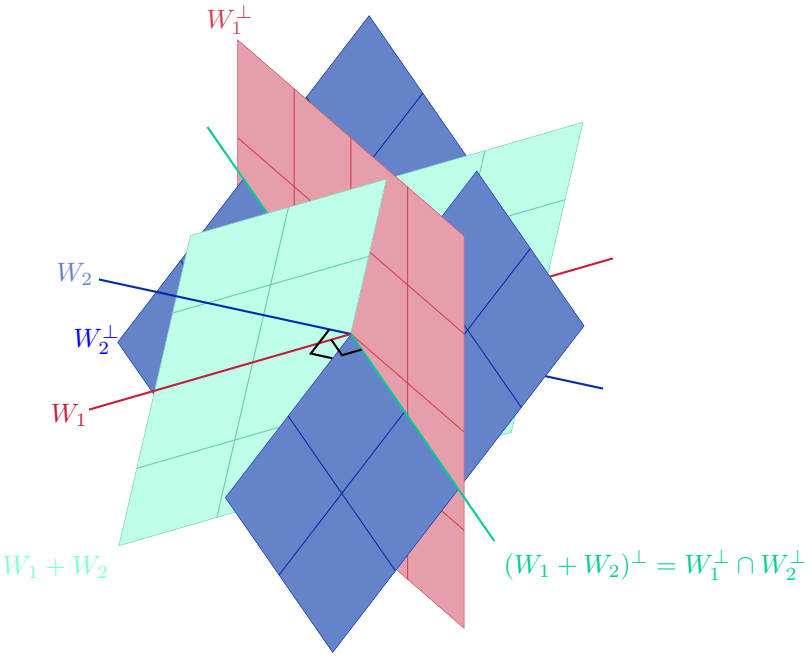


Figure H.1.1: A figure whose author Grass licenses under CC BY-SA 4.0.

## 1.2 Name of Second Section

### 1.2.1 Theorems

**Theorem 1.2.** This is the second theorem.

**Proof.** This is the proof to the second theorem.

**Corollary 1.3.** This is a corollary that is trivial enough for the proof to be left unstated. As such, we use the `type in thmgroup = standalone` option.

### 1.2.2 Exercises

**Exercise 1.2.** Another exercise.

**Text.**

```
1 Some code as part of the answer to exercise 1.2.
```

**Answer.** The answer to exercise 1.2.

These are some hyperlinks with `zref-clever`: exercise 1.1, exercise 1.2, exercise H.1.1, exercise H.1.2, exercise H.1.3. We can also reference theorems: theorem 1.1. Furthermore, external links are nicely formatted with the `\extref{⟨URL⟩}{⟨link name⟩}` command.

This is the second page.

This is the third page.

Chapter 2

# Name of second chapter

## 2.1 Name of first section

### 2.1.1 Theorems

### 2.1.2 Exercises

**Exercise 2.1.** This is the first exercise of the second chapter.