My Demo Book

An demo of PreTeXt features

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Me
My school

June 23, 2023

For ...

Acknowledgements

I would like to thank...

Preface

About this book:

Not just that..

I still have more to say!

Contents

Chapter 1

My First Chapter

This is the introduction to the chapter

1.1 Introduction to First Chapter

Intro to section, because we will have subsections.
   Another paragraph of the introduction.

1.1.1 A subsection

Content of the subsection.
   More content.

1.1.2 Another Subsection

Text with some math: $\sin(x) = \cos(x)$ only for some values of x.

After the last subsection, you might have a conclusion.

1.2 Examples

Here is an example:

Example 1.2.1 The statement of the example, since it will have a solution. What is the solution?

Solution. This is the solution.   □
   Here is another example, but without a solution

Example 1.2.2 This is an example of an example without a solution (or hint or answer) so the paragraph doesn't need to be inside a statement tag.   □

   Although the next things are not examples, they give examples of blocks that are not examples. First a theorem.

Theorem 1.2.3 Theorem Title. *This is the statement of the theorem.*

Proof. And this is its proof.   ■

Corollary 1.2.4 *A corollary that doesn't need a proof.*

   Perhaps at the end of the section, you want to add a note to the reader about how what you have fits into the larger scope of mathematics.

Remark 1.2.5 Larger Context. Comment to the reader here.

Of course, if you want more information, you might see Theorem 1.2.3.

1.3 My Exercises

1. Is this an exercise?

Answer.   Yes.

Solution.   It is, but not a very good one.

2. Another, with a hint.

Hint.   The hint.

Chapter 2

(No title)

Try adding your own content here!

Chapter 3

Features

3.1 Environments and Blocks

Some text

Theorem 3.1.1 My Theorem. *Theorem statement.*

Proof. Proof of theorem. ∎

Example 3.1.2 Statement of example

Solution. The solution. □

Now a figure.

Figure 3.1.3 A frog