

Notes for "Introduction to Mathematical Thinking" by Keith Devlin

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2. About this document

This document contains notes (more refined and not so much refined) and explanations from reading and thinking about the content of the book Introduction to Mathematical Thinking by Keith Devlin.

3. Notes

3.1. Definitions

3.1.1. Mathematical thinking

As I understand it, the author defines mathematical thinking as the way of thinking which is required for solving university like mathematical problems, where students need to make a transition from applying procedural knowledge, as learned in school, to terms, to something else.

3.2. Solutions to exercises

- 2.1.1.1.:

To show that the statement is not true for all numbers that are build this way, one only needs to find one counter example. I would try to find one by starting from low natural numbers, because that would be easier to calculate.

- 2.1.1.2.:

Original phrase: "The man saw the women with a telescope."

Unambiguous version 1: "The man using a telescope saw the woman."

Unambiguous version 2: "The man saw the woman who was using a telescope."

4. Appendix

TODO