

# CONVENTIONS

## general conventions

### LaTeX

LaTeX is used for all mathematical equations through my custom Math Notation

variables are defined in separate lines using a , *where* statement

`\R`, `\N` and `\Z` must not be used, as they are not widely supported. `\mathbb R`, `\mathbb N` and `\mathbb Z` should be used instead, respectively.

`\\` must be replaced by `\\` for them to work properly. see the following discussion: <https://github.com/mathjax/MathJax/issues/1301>

## headings

Capitalized headings are for Concepts

lowercase headings are for general titles

the following headings are commonly used:

- **definition, definitions**
- **notation**
- **representation**
- **types**
- **applications**
- **example, examples**
- **counterexample, counterexamples**
- **theorems**
- **properties**
- **procedure**

## quotes, italics, sources, URLs

blockquotes are used for Factual information and definitions

italics are used for tricks or personal definitions

— ... statements are used for citing sources

all external URLs are denoted using <...> statements

## note system

wiki links are generally avoided in headings

a page can link to itself

*see ...* statements are for prerequisites

note names are all *-ing* verbal groups or singular nominal groups

each page has exactly one first-level heading, which must correspond to the file name

box titles are generated with <https://lingojam.com/BoldTextGenerator>

## note, theorem, proof, definition

**note:** this is a note to clarify the previous statement

**theorem:** this is a theorem

**proof:** this is a proof of the above theorem

this is a **definition** for the term "definition" — this is a source

**AKA:** this is a list of other terms used, "also known as"

## syntax used

# h1

## h2

### h3

*italics*

**bold**

inline code

```
// code block
console.log(() => 'Fira Code Ligatures');
```

- unordered
  - list
- 
1. ordered
  2. list

*LaTeX*

Wiki Link

<https://example.com/>





# Syntax error in graph

mermaid version 9.1.1

blockquote

table
1
2
3

## unused syntax

Block  $L\!A\!T\!E\!X$

emojis



- ☐ task
- ☒ list

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horizontal rule

## PDF export conventions

see Eng1112 Report 2 for an example application of the conventions outlined below

## syntax used

page break

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## unused syntax

**Theorem 1.** *This is a theorem.*

**Lemma 2.** *This is a lemma.*

**Definition 1.** This is a definition.

*Proof.* This is a proof. ■

**note:** the elements above are not used in my Conceptual Notes as they are not natively supported in Markdown. this "quote with bold text" format is used instead

## LaTeX & Wiki Link Support

by convention, the following scripts are to be appended to any page before it is exported