

# Compact Cheatsheet Example

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## I. Formulas

### 1. Boxes

#### 1.1. Basic Boxes

This is a sentence.

**A main box title** Some main box content

**A main sub title** Some sub box content

#### 1.2. Theorems etc.

**Ax 1.1: Existence of boxes** These boxes exist.

**Def 1.1: Spaced equation** This is a well spaced multiline equation. Compare this to this text.

$$\mathbb{P}[X = x] := 0.5 \cdot \text{Coinflip}$$
$$\mathbb{E}[X] = 259.58$$

There’s also text after it.

**Cor 1.1: Maths** Let  $a \in \mathbb{R}$ ,  $b \in \mathbb{R}$ .

$$a \geq b \Rightarrow a - b \geq 0$$

Here’s some text after the equation.

**Lem 1.6: Numbering lemma** You can set the counter, so that the lemma will have a certain number.

**Satz 1.1: Pythagoras** A quadrat plus bee quadrat = sea quadrat.

**Thm 1.1: Misnomer corollary** Theorems are never theorems and lemmas are never lemmas.

#### 1.3. Counting

**Ax 1.2: Counting** Latex can count from 1.1 to 1.2.

## 2. References

**Cor 2.1: References** You can reference stuff. E.g. definition ?? with the title ??.