

## Chapter 1

# Sample Chapter

### 1.1 Sample Section

**Theorem 1.1.** *Plain - boldface title, italicized body. Commonly used in theorems, lemmas, corollaries, propositions and conjectures.*

$$a^2 + b^2 = c^2$$

**Lemma 1.1 (Optional title).** *Plain - boldface title, italicized body. Commonly used in theorems, lemmas, corollaries, propositions and conjectures.*

**Definition 1.1.** Definition - boldface title, roman body. Commonly used in definitions, conditions, problems and examples.

**Definition 1.2 (Optional title).** Definition - boldface title, roman body. Commonly used in definitions, conditions, problems and examples.

**Remark 1.1.** Remark - italicized title, roman body. Commonly used in remarks, notes, annotations, claims, cases, acknowledgments and conclusions.

Definitions 1.1 and 1.2 are referred with `\ref{def1}` and `\ref{def2}`.