Part I
Lesson 19: Counters

1 First section

1.1 First subsection
Definition 1.1 Define something

Definition 1.2 Define something new

Example 1.1.1 An example

Example 1.1.2 A second example

Example 1.1.3 Third example

Problem I.1 My problem
Solution. Solution ■

Theorem 1 A true theorem
Proof. Proof of the theorem ■

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1.2 Second subsection
Definition 1.3 Define something

Definition 1.4 Define something new

Example 1.2.1 An example

Example 1.2.2 A second example

Example 1.2.3 Third example

Problem I.2 My problem
Solution. Solution ■

Theorem 3 A true theorem
Proof. Proof of the theorem ■
2 Second section

2.1 First subsection B

Definition 2.1 Define something

Definition 2.2 Define something new

Example 2.1.1 An example

Example 2.1.2 A second example

Example 2.1.3 Third example

Problem I.3 My problem

Solution. Solution

Theorem 4 A true theorem

Proof. Proof of the theorem

2.2 Second subsection B

Definition 2.3 Define something

Definition 2.4 Define something new

Example 2.2.1 An example

Example 2.2.2 A second example

Example 2.2.3 Third example

Problem I.4 My problem

Solution. Solution

Theorem 5 A true theorem

Proof. Proof of the theorem

Part II

Lesson 19: Second part

3 First section part 2

3.1 A subsection part 2

Definition 3.1 Define something
Definition 3.2 Define something new

Example 3.1.1 An example
Example 3.1.2 A second example
Example 3.1.3 Third example

Problem II.1 My problem
Solution. Solution

Theorem 6 A true theorem
Proof. Proof of the theorem

3.2 Second subsection part 2

Definition 3.3 Define something
Definition 3.4 Define something new

Example 3.2.1 An example
Example 3.2.2 A second example
Example 3.2.3 Third example

Problem II.2 My problem
Solution. Solution

Theorem 7 A true theorem
Proof. Proof of the theorem

4 Second section part 2

4.1 A subsection B part 2

Definition 4.1 Define something
Definition 4.2 Define something new

Example 4.1.1 An example
Example 4.1.2 A second example
Example 4.1.3 Third example

Problem II.3 My problem
Solution. Solution

Theorem 8 A true theorem
Proof. Proof of the theorem
4.2 Second subsection B part 2

Definition 4.3 Define something

Definition 4.4 Define something new

Example 4.2.1 An example

Example 4.2.2 A second example

Example 4.2.3 Third example

Problem II.4 My problem

Solution. Solution ■

Theorem 9 A true theorem

Proof. Proof of the theorem ■

5 Project 19

Instructions: Create a file containing chapters, sections, subsections, and sub-subsections with various types of numbering schemes. Submit a .tex version of your file to teprice@uakron.edu. The name of your files should be of the form yourlastname19.tex.