1. Do Exercise 1.2.10a. Prove that your grammar is correct.

2. Describe the language in Exercise 1.2.10a in set notation. Do something better than $L = \{w : w \text{ has exactly one } a\}$.

3. Prove that the book’s answer to Exercise 1.2.13a is incorrect.

4. Provide a correct answer for Exercise 1.2.13a.

5. Describe the language in Exercise 1.2.13a in English.