Lesson Eleven: Lists

\LaTeX{} has a variety of “list” environments. Here, we show first an example of the \texttt{enumerate} environment.

When the author of a math textbook doesn’t want to include the proof of a theorem just stated, he or she may offer an excuse such as the following.

1. This proof is trivial.
2. This proof is left as an exercise for the reader.
3. This proof is so easy that even [name of friend/enemy] could do it.
4. This proof is omitted to help reduce the cost of your textbook.
5. This proof is omitted due to
   a. lack of space
   b. lack of time
   c. lack of spacetime
   d. lack of competence
      i. by myself
      ii. by my graduate assistant who was supposed to write it
   e. lack of application, inspiration, and remuneration

The \texttt{itemize} environment provides those ever-popular bullet points.

**Reasons to Be a Math Major**

- Love of math
- Desire to learn to think logically
- Mathematicians get all the hotties. [See Math Camp 2003 T-shirt.]
- Math majors do it in \LaTeX{}.

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Exercise Eleven: Lists

**A Few of the Things I Can Do with My Math Major after I Graduate**

1. Work in finance, \textit{e.g.}, on Wall Street
2. Work in consulting
3. Work in education
   a. Public school
   b. Private school
4. Go to graduate school
   a. Pure math
   b. Applied math
   c. Statistics
5. Become a \LaTeX{} salesperson
6. Move back in with my parents