

Read Chapter 1 of Bartle & Sherbert's book (see course webpage:

<http://www.math.iupui.edu/~ccowen/Math444.html>

to download this Chapter.) Then, send email to ccowen@math.iupui.edu with your answers to the following questions:

1. For each section, "Was this section clear?" "Do you have any questions?"
2. Do problem 8, page 11.
3. Explain the difference between the "Principle of Mathematical Induction" and the "Principle of Strong Induction". Sometimes these are equally easy to apply. When one is easier than the other, which is easier? Why?
4. Let A be the set of letters in the usual, modern English alphabet. Is the set A countable? Explain your answer.