- Section 26
  - Important words: compact
  - Examples 1 – 4
- Section 27
  - This is a low priority section, but you may find some of the results about the real line interesting. The abstract version of the Extreme Value Theorem is particularly nice.
- Section 28
  - Important words: sequentially compact, limit point compact, countably compact (Exercise 4)
  - Aside from Exercise 4, this is a low priority section. It is interesting to note, however, that all these different definitions of compactness are equivalent in any metric space, not just the reals with the usual one.
- Section 29
  - Important words: locally compact
  - Examples 1 – 3
- Other types of compactness
  - Metacompact
  - Countably Metacompact
  - Weakly Countably Compact
  - Strongly Locally Compact
  - Paracompact
  - σ-Compact
  - Pseudocompact