Scavenger hunt

Carefully read the handout “Vose Notes: Naive Set Theory (review)” and list the topics it considers. For each topic, identify where it is discussed in the course textbook. Indicate differences in notation; for example, Grimaldi uses “universe” to indicate what is described as the “universal set” in the handout, another example is that Grimaldi uses \( \subseteq \) to denote subset whereas we use \( \subset \) for subset. In some cases a topic might occur in the course textbook only by way of examples — for instance, Grimaldi gives examples of membership predicates but does not define them explicitly — in that case indicate where examples can be found.

An example of the above for the first page of the handout is the following.

Page 1

- **Set**  
  Chapter 3
- **Element of a set, member of a set**  
  Page 123
- **Listing elements of a set**  
  Page 123
- **Well defined**  
  Page 123
- **Empty set**  
  Page 127
- **Membership predicate**  
  Page 124 (examples)
- **Predicate**  
  Page 86 (alternate name: open statement)
- **Universal set**  
  Page 124 (alternate names: universe, universe of discourse)
- **Function**  
  Chapter 5, section 2
- **Domain**  
  Page 253
- **Co-domain**  
  Page 253