

Homework #17

Follow the separate general guidelines for Parts A,B,C. Be sure to include and label *all four* standard parts a,b,c,d of Part A in what you hand in.

A: To hand in one class period before discussion.

Read Susanna Epp's section 5.1.

Reading questions (RQ) for part a of Part A:

1. What's the distinction between \in and \subseteq . Make some great examples and explain them.
2. Make some examples of your own of *union*, *intersection*, *difference*, and *complement* of sets, in which your examples are made from intervals of real numbers.
3. Make your own example of a partition of a set, quite different from the book's examples. Explain why it is a partition.
4. Make your own example illustrating two sets and their Cartesian product, quite different from the book's examples.

B: Warmup exercises: Will be assigned in class.

C: Main exercises. Will be assigned in class.