Midterm Exam: Monday, November 6, in class.

Reading: Nothing new this week. Reread all the reading assignments so far.

Reading Report: None this week.

Written Problems: These do not have to be handed in – they are only for your practice. All are from Venema.

- Venema, pp. 50–51, Exercises 4.1, 4.4, 4.5, 4.11, 4.12.

- Which statements are true for all sets \( A \) and \( B \)?
  1. \( A \subseteq A \).
  2. \( A \subseteq (A \cap B) \).
  3. \( A \subseteq (A \cup B) \).
  4. \( (B - A) \subseteq A \).
  5. \( (B - A) \subseteq B \).
  6. \( \emptyset \in A \).
  7. \( \emptyset \subseteq A \).
  8. \( A \cup B = B \implies A \subseteq B \).