Geometry for Teachers Assignment #6 (Due Monday, 11/6/06)

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.
- ullet 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. $\varnothing \in A$.
 - 7. $\varnothing \subseteq A$.
 - 8. $A \cup B = B \implies A \subseteq B$.