(Section 2.2, Exercise 29, 7th Edition) What can you say about the sets A and B if we know that:

1. \( A \cup B = A \)
2. \( A \cap B = A \)
3. \( A - B = A \)
4. \( A \cap B = B \cap A \)
5. \( A - B = B - A \)

Solutions available in the textbook.