Logical Equivalence

- Read pages 51 through 52 (section 2.8)
- Some key questions to answer:
 - 1. When do we say that two compound statements are logically equivalent? Provide examples.
 - 2. What is the relationship between logical equivalence of two statements and the biconditional of the two statements?
 - 3. What is the practical importance of logical equivalence between two statements?
 - 4. What is a statement logically equivalent to " $P \Rightarrow Q$ "? What is the practical importance of this equivalence?
 - 5. If a statement P is logically equivalent to a statement Q, and that statement Q is logically equivalent to a statement R, does it follow that P is also logically equivalent to R?
 - 6. Is a statement logically equivalent to itself?
- Practice problems from section 2.8 (page 70): 2.51, 2.52, 2.53, 2.55