Name: ____

Read and take notes on Section 2.2, Basic Ideas.

Reading Questions

- 1. Make sure you understand the meanings of the following terms: sample space, trial, event, probability, compound event, mutually disjoint/exclusive events, independent trials, conditional probability.
- 2. There are two propositions in this section. Focus on understanding the statements of these propositions rather than the proofs.
- 3. True or false, with reasons. Let A and B be events.
 - (a) The probability of A and B is $P(A \cup B)$.

(b) The probability of A or B is P(A) + P(B).

(c) The probability of B, given that A has occured is $P(A \cap B)/P(A)$.

4. Try exercises 2.2.01 and 2.2.02.

5. Try exercises 2.2.03, 2.2.04, 2.2.05.

6. What struck you in this reading? What is still unclear? What remaining questions do you have?