

Math 262 Reading Guide

Sections 1.1 and 1.2

NAME

From the textbook, read Sections 1.1 and 1.2 (at least through page 10) and answer the following questions. *Hand in this worksheet at the beginning of the next class.*

1. In this course, what does an **experiment** refer to?
2. How many outcomes are in the sample space of the experiment described in Example 1.2?
3. What is the definition of an **event**?
4. In Example 1.8, explain why $(A \cup C)' = \{6\}$.
5. What does it mean if two sets are **disjoint**?
6. What are the three axioms of probability? State them here:

Axiom 1:

Axiom 2:

Axiom 3: