Math 262 Reading Guide

Section 1.4

NAME

Read Section 1.4 and answer the following questions. *Hand in this worksheet at the next class.*

1. Consider the scenario in Example 1.26.

   (a) If the sales manager selects one component at random, what is the sample space?

   (b) If the sales manager tells you that the selected component is defective, what is now the sample space?

2. What is the *definition* of the **conditional probability** $P(A \mid B)$?

3. In Example 1.27, what is the meaning of $P(A \mid B)$?

4. What is the **multiplication rule**?