Math 262 Reading Guide

Section 1.6 NAME

Read Section 1.6 and answer the following questions. *Hand in this worksheet at the next class.*

1. What are the two characteristics of a **random number generator** (RNG)?

2. In Example 1.40, what is the role of the random numbers u_1 and u_2? In the authors' code, how many times are each of these random numbers generated?

3. How are the random numbers sampled for Example 1.42 different from the random numbers generated for Example 1.40?

4. What is the meaning of "precision of simulation" as discussed in Section 1.6.2?