

Name:

MATH 1113 – Mathematics for General Education
Quiz 8

Instructions: Circle your final answers. Show all work. Answers with no work shown or illegible work will receive no credit.

1. Consider a multiple choice exam consisting of 5 questions in which each question can be answered either a, b, or c. Determine the number of elements in the sample space.

2. Consider the experiment in which two-digit numbers are formed without replacement from the digits 0 through 9. How many numbers are divisible by 3?

3. Four cards labeled A, B, C, and D are placed in four boxes labeled A, B, C, and D. Each box receives exactly one card. Count the number of elements in the event that no box contains a card with the same letter as the box.