Quiz # **Name:** _____
Week #: MM/DD/YYYY
Math 999: Semester Year
Instructor: Firstname Lastname

Instructions:
Please answer the questions below. Show all your work. Calculators are allowed as stipulated by the course syllabus.

Problem. This is an unnumbered problem.

Problem 1. This is a numbered problem.

Problem 2. (5 points) This is the second numbered problem.

Problem 3. This problem has several parts:

(a) The first part.

(b) The second part.

(c) The third part.

Problem 4. Compute the following integral

$$\int e^{-x^2}\ dx$$

Problem 5. Explain why everyone loves Mathematics.

Problem 6. Compute the integral $\int \sin x^2\ dx$.

Problem 7. In the space provided, prove the Riemann Hypothesis.