Following is a copy of the directions for the quiz.

This quiz consists of four questions. No partial credit will be assigned. On each of the questions one can earn a maximum of one point. Please work without the aid of notes, books, calculators, computers and other people.

One can prepare for the quiz by preparing the following:

- definitions
  1. function
  2. metric on a non-empty set
  3. bounded set in a metric space
  4. convergent infinite sequence in a metric space
  5. Cauchy sequence in a metric space
  6. accumulation point of a sequence in a metric space
  7. open subset of a metric space
  8. closed subset of a metric space
  9. limit point of a subset of a metric space
  10. compact subset of a metric space
  11. interior point of a subset in a metric space
  12. boundary point of a subset in a metric space
  13. subspace of a metric space
  14. connected metric space
  15. continuous function from a metric space into itself

- Worksheet #10.3.6
- Worksheet #10.4.1
- Worksheet #10.5.1
- example of a closed and bounded subset of a metric space that is is not a compact subset
- the true/false questions for Chapter #10