1. List of defined terms.

[Disclaimer: While I have attempted to list all terms from class, there may be others that will still be conceptually on the exam as well as other properties/theorems and applications.]

(a). Be familiar with $\mathbb{N}, \mathbb{Q}, \mathbb{R}$, etc.

(b). Peano Axioms

(c). Rational Zeros Theorem

(d). Absolute value

(e). Distance between two real numbers

(f). Triangle Inequality (3 Forms)

(g). Maximum (or Minimum) of a set S

(h). A set bounded above (or below)

(i). A bounded set

(j). The supremum (or infimum) of a set

(k). The Completeness Axiom

(l). The Archimedean Property (also familiar with corollaries)

(m). Denseness of $\mathbb{Q}$

(n). Sequence

(o). A sequence s_n converging to s

(p). Be familiar with the limit laws and other properties of converging sequences

2. Computational Problems [May include $\epsilon - N$ proofs for specific sequences and induction proofs.]

3. True or False (and/or counter-example) Questions

4. Proof(s) from Class and/or Homework

5. New Proof(s)