MATH 488: Rubrics for Hilbert / Millennium problem paper

Each item gets a score of 0 to 1. The sum of all item scores is your overall grade.

Introduction to the problem:

- 1. Is a complete, formal statement of the problem given? _____
- 2. How well is its meaning explained?
- 3. Is it clear where/why it arises and is of interest?
- 4. Is the related math context and background explained?

Discussion of solution efforts:

- 5. Is an overview/ summary of different solution efforts discussed?
- 6. Is (at least) one solution effort discussed in depth? _____
- 7. Is the "in-depth" discussion sufficiently detailed mathematically?
- 8. Is it sufficiently clear? _____
- 9. Is it sufficiently complete? _____

Other items:

- 10. Is the impact of the problem/solution efforts on other developments discussed?
- 11. Does the paper include needed visuals (sketches, graphs, tables)? _____
- 12. Does it include examples or explanation of key technical items? ______ (e.g., definitions, axioms, lemmas, theorems, etc.)
- 13. Is the abstract appropriate and well-written?
- 14. Does the paper cite and list needed references?
- 15. Are the spelling, grammar, and punctuation correct throughout?