

Mathematics 69
Winter 2013
Comments on Drafts of Papers

Generally, I have made comments on what you wrote, but not on what you didn't write. That is, I haven't checked to see whether you completely addressed every last point of the assignment. I definitely will do that when grading final papers. Mathematical content is, of course, a major part of your grade. Clarity of writing is also a significant part.

Each assignment has an open-ended concluding question. You can get a very good grade without having anything to say beyond the specific questions of the assignment, but having something substantive, interesting, creative, or otherwise valuable to say here can make that last small difference. If the rest of your paper is significantly less than grade A, a very good job here can make more than a "last small" difference.

Anyone working on the graph theory problem should think carefully about the following mathematical point, which I didn't fully address in comments, and may not have discussed with you:

The extension axioms deal with disjoint pairs of nonempty sets of size at most n .

The countably-categorical proof requires considering an arbitrary disjoint pair of finite sets (empty or not).

The probability calculations most naturally consider pairs of nonempty sets of size exactly n .

Be sure you have considered these issues, and dealt with them appropriately.