MA320 (Clontz) Writing Portfolio

Your name here

February 25, 2022

1 Writing Samples

Include five examples of mathematical writing from this semester. These should include three quiz submissions that involved non-trivial mathematical writing and problem-solving (generally, the question asked to "explain" something; see also the rubric below), one question posted to Math.StackExchange, and one answer posted to Math.SE. For each Math.SE post, include a citation to the post like [1], and be sure to make any necessary adjustments to typeset your work in LaTeX. You may answer your own question; if you don't, be sure to provide the original question for your answer.

These posts should reflect Prof. Su's Guidelines for Good Mathematical Writing and (for the question/answer) adhere to Math.SE's policies for Asking and Answering.

For each sample, also provide a few sentences reflecting on it. This should consider any instructor comments on your quiz, or scores/comments/answers received on your post. Ultimately for a quiz, did you successfully communicate a solution that makes sense to a general mathematical audience (not just yourself or the instructor), without resorting to just minimally altering an example solution from the instructor? And ultimately for a forum post, was your question well-posed for a general mathematical audience, or your answer useful?

1.1 Quiz Sample #1 (AB1)

Question

TODO

Answer

TODO

Reflection

TODO

1.2 Quiz Sample #2 (AB1)

Question

TODO

Answer

TODO

Reflection

TODO

1.3 Quiz Sample #3 (AB1)

Question

TODO

Answer

TODO

Reflection

TODO

1.4 Math.SE Question

Question

TODO [1]

Reflection

TODO

1.5 Math.SE Answer

Question

TODO

Answer

TODO [1]

Reflection

TODO

2 Rubric

Self-report your progress by marking the box next to each of the following requirements that you've [M] met for this portfolio or [S] show signficiant progress towards.

- [ ] **Scope.** This portfolio includes exactly five writing samples: three quizzes, one Math.SE question, and one Math.SE answer.

- [ ] **Mathematics.** This portfolio engages in mathematical concepts appropriate for a student enrolled in MA320. In particular, these samples are generally concerned with understanding and proving mathematical facts, not just computing values.

- [ ] **Reflection.** This portfolio includes appropriate reflections for each sample. Each sample is observed to appropriately communicate a mathematical idea, question, or answer. Quiz answers are the students' original writing, and not lightly modified solutions from the instructor.

- [ ] LaTeX. This portfolio was properly typeset using LaTeX. In particular, mathmode (`\(x^2\)`) was used appropriately for mathematical expressions (x^2) in each post, and BibTeX [2] was used for reference management.

3 Overall Quality

Self-report your progress by marking the box [X] next to which of the following best describes the overall quality of this portfolio.

- [ ] **Shows Progress**: This portfolio at least demonstrates significant progress towards each of the rubric items.

- [ ] **Meets Expectations**: This portfolio meets each of the rubric items.

References

[1] StevenClontz (https://math.stackexchange.com/users/86887/stevenclontz). The rotation of dice on a grid. Mathematics Stack Exchange. URL:`https://math.stackexchange.com/q/1089984` (version: 2015-01-06).

[2] Overleaf. Bibliography management with bibtex. Overleaf Documentation. URL:`https://www.overleaf.com/learn/latex/Bibliography_management_with_bibtex` (version: 2022-02-06).