

Proof Rubric

	Not Assessable	Revision Needed	Meets Expectations	Exceeds Expectations
Opening	No opening statement of what is being proved, or technique (eg induction) being used.	There is a statement of what is being proved, but is incomplete and/or comes later.	Clear, correct opening statement of what is being proved, with statement of method (if not direct).	Clear, correct opening statement of what is being proved, with statement of method (if not direct).
Logical correctness	The answer is fundamentally wrong.	The approach is in the right direction, but there is at least one significant error OR several minor errors.	Generally correct. Possibly a few minor errors that do not detract from the overall solution.	Complete and correct.
Reasons	Multiple significant steps are not justified.	Multiple significant steps are not justified.	Reasons are given for almost all significant steps.	Reasons are given for all significant steps.
Use of Notation	Several significant notational errors	Several notational errors, or one or two significant notational errors.	One or two minor notational errors.	No notational errors.
Clarity and Writing	Overall, the argument is hard to follow and is poorly written.	Can follow with some effort. Too many pronouns or distracting word choices. Major errors of standard mathematical English.	Clear and easy to follow throughout. Few pronouns or distracting word choices, or minor typographical errors.	Clear and easy to follow throughout. Excellent use of writing. No distracting word choices.
LaTeX Formatting	LaTeX formatted poorly.	Some LaTeX formatting errors.	At most a few minor LaTeX formatting errors.	No LaTeX formatting errors.
Stating the Conclusion	Argument ends abruptly, without stating or acknowledging a conclusion	Argument ends with some sort of concluding statement, but comes later or is incomplete	Argument ends with a clear and concise statement indicating that the desired result has been established.	Argument ends with a clear and concise statement indicating that the desired result has been established.
Overall valuation	Overall, this is not a good answer.	There is a kernel of a correct solution here, but more work is needed.	Discounting a few small errors in writing or logic, this is a good answer.	Flawless and well written.