

ProofSpace: Grading Rubric 2

For the later units (Sets, Functions, and Relations), the importance of the mathematical content is increased. The following suggested rubric adds more weight to the mathematical content, while still emphasizing the importance of quality writing. Formal proofs will be graded out of 8 points, with 0 to 4 points assigned in the mathematical content category and either 0 or 1 point in each of the other four categories related to technique and writing.

	4	1	0
Set-up		Includes statement to be proven; begins proof appropriately	Missing one of the above
Proof Technique		Selects the correct proof technique; correctly articulates associated assumptions	Selects an inappropriate proof technique or wrong assumptions
Mathematical Content	Mathematical content is correct and relevant	1-3 point scale for minor mathematical errors	Significant mathematical errors
Conclusion		Appropriately concludes proof technique, uses a concluding statement, and writes “Q.E.D”	Missing both of the above
Style		Quality appearance, equations well-aligned, symbols appropriate	Stylistic flaws

Note that this rubric is used at the grader's discretion, and does not apply to problems that ask you to list examples, disprove propositions, or state conjectures.