

Math 323: Abbreviations for Grading

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- ?. I do not understand this reasoning, and possibly do not understand this sentence.
- AWK. Awkward. Please explain better. It doesn't read well, and probably is hard to understand.
- BA. Better Answer. I included a revision which I think gives a better answer.
- BS. Be specific. Usually this means you used a pronoun like "it" but it is not clear what "it" refers to.
- CR. Cannot Read. I cannot read what you have written. Please try to write more clearly so that I can distinguish different letters.
- DNF. Does Not Follow. I don't believe your argument, and don't think that this statement follows from what you have previously said. (Note, this does not say it is not correct; it may or may not be. It says that I don't think your argument shows it.)
- DWT. Don't write this. It is too much. Usually this means it obfuscates the solution.
- GJ. Good job.
- HNM. Has No Meaning. What you write here does not mean anything, or its meaning is unclear. For instance, putting infinity in an equality. Think about why it has no meaning!
- IDU. I don't understand. I just don't understand what you are doing there.
- IDL. I don't like your argument. I am not convinced by your argument. Unlike IDU, I think I understand what you are trying to say, but it is not convincing.
- IRR. Irrelevant. This statement is not relevant to your proof. Please omit it.
- IU. Improper use. Usually written as IU- $\langle \text{lala} \rangle$, where $\langle \text{lala} \rangle$ is what is was used improperly. For instance, IU-WLOG means improper use of "without loss of generality."
- LM. Larger margins, please.
- LMS. Leave more space. There's not enough room for me to make comments.
- NAP. Not an assigned problem.
- NC. Not a contradiction. You claim this is a contradiction, but it is not.
- NCFS. Not the Correct First Sentence. You are starting your proof assuming the wrong thing. It is not clear where this first sentence is coming from.
- NCNC. Negation of a conjunction is not a conjunction.
- NCX. Not a counterexample. You claim this is a counterexample, but it is not. Perhaps you have a quantifier wrong or did not make a correct negation.
- NDND. Negation of a disjunction is not a disjunction.
- NES. Not equivalent statements.

- NG. Not graded.
- NINI. Negation of an implication is not an implication.
- NJ. Needs justification. I am not convinced; explain further.
- NMJ. Needs more justification.
- NP. Not a proof. This is not a proof. It may be an argument, but it is schematic, not a proof.
- NPBC. Not “Proof By Cases.” Though you state you are, you are not doing a proof by cases. For instance, proving p implies q and not p implies not q in order to prove p iff q is not a proof by cases.
- NPBX. Not “Proof By Contradiction.” This is not a proof by contradiction, though you are saying it is.
- NPO. No points off. Usually a warning that next time there may be points taken.
- NPTBC. Need parentheses to be clear.
- NT. Not a tautology. This is not a tautology as written (or you claim it is but then do not prove it).
- NTCP. Not the Contrapositive. What you claim to be the contrapositive is not, in fact, the contrapositive.
- NTPN. Not the proper negation.
- OBV. Obvious. You don’t need to write this because it is obvious. Writing more obvious things obfuscates the argument.
- OK. Whoops, I wrote you were wrong accidentally, but the reasoning is sound. Usually found near something I wrote and scribbled out.
- PNIF. Pre-image Not Inverse Function. You should be looking at the pre-image, not an inverse function! Remember pre-image exists for all functions, not only bijective ones, while inverse functions only exist for bijective functions.
- POC. Proof of converse. This is a proof of the converse, not a proof of the theorem. (Remember that a statement’s converse is not equivalent to the statement!)
- PPC. Proof Poorly Constructed. I am extremely confused by the way you put this proof together. Next time, think a bit more about the overall structure of the proof to make it more clear!
- QE. Quantifier Error. You are using quantifiers improperly. Maybe there should not be a quantifier here.
- SHNM. Sentence Has No Meaning. Same as HNM (see above).
- SMW. Show more work.
- SNBT. Should not be there. This part should not be included, and may actually make the answer wrong.
- SS. See solutions.
- SSA. See solutions for alternate answer. This means your answer is correct, but you might consider another answer, as shown in the solution set.
- US. Unusual syntax. We don’t usually write this way, but I probably understand what you mean. Don’t write this way again.
- UYW. Use your words. Instead of just symbols, try to write words and sentences.

- W. Wrong. What I have circled is wrong.
- WAC. Why All Cases? Why does your selection of cases exhaust all possible cases? It is not clear to me.
- WBNP. Wrong But No Points Off. This is wrong, but the error is minor, so I am not taking any points off.
- WP. Write Problem. This means you did not write enough of the problem for me to figure out what it is without opening the book.
- YAWYTP. You Assumed What You are Trying to Prove. Not a good idea.