

Geometry Problem of the Week Scoring Rubric for Students

For each category, find the level that *best describes* your work.

	Novice	Apprentice	Practitioner	Expert
Problem Solving				
Interpretation	I don't understand any of the math concepts in the problem.	I don't understand all of the math concepts in the problem. I didn't attempt to solve all of the parts.	I understand all of the math concepts in the problem. I attempted to solve all parts of the main problem.	I solved the main problem <i>and</i> the Extra correctly. I am at least a Practitioner in Strategy.
Strategy	I didn't know how to set up the problem. I didn't really have any ideas that will lead me to the correct solution.	I picked an incorrect strategy, or relied on luck to get the right answer.	I picked a sound strategy and solved the problem with skill, not luck.	I used two separate strategies. <i>or</i> I used an unusual or sophisticated strategy.
Accuracy	My work contains many errors.	My work is mostly accurate, with a few errors. I used incorrect units. I didn't leave things in exact form when required.	My work is accurate and contains no arithmetic mistakes. I used appropriate units. I formatted the mathematics correctly. I kept things in exact form when required.	[not possible for most problems]
Communication				
Completeness	I didn't write much, if anything, about how I found my answer.	I didn't explain where my equations and expressions came from. I showed my work but didn't explain it <i>or</i> I explained what I did without showing any of the actual work.	I explained all of the steps I took to solve the problem. I included the calculations and answers I got along the way. I stated any important theorems that I used.	I added some extensions and further explanation of some of the ideas involved. I proved one of the theorems that I used.
Clarity	My explanation is very difficult to read and follow.	My explanation isn't entirely unclear, but another student wouldn't be able to follow it. My explanation is long and is written entirely in one paragraph. My explanation contains many spelling and typing errors.	I explained all of the steps in such a way that another student would understand. I made an effort to check my formatting, grammar, spelling, and typing, though there still may be a few small mistakes.	I formatted things very clearly. My answer is very readable and it looks good! I included a helpful diagram.
Reflection <i>(see list)</i>	I did nothing reflective.	I did one reflective thing.	I did two reflective things.	I did three or more reflective things <i>or</i> I did an exceptional job with two of them.
	The items in the columns to the right are considered reflective. They could be in the solution <i>or</i> the comment left after viewing the Math Forum's answer.	I checked my answer is some way (in addition to viewing the answer provided by the Math Forum). I reflected on the reasonableness of my answer. I summarized the process I used.	I connected the problem to prior problems or experiences. I explained where I'm stuck.	I commented on and explained the ease or difficulty of the problem. I revised and improved my work.