

The Algebra Problem of the Week Scoring Rubric for Students

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

	Problem Solving		
	Novice	Apprentice	Expert
Interpretation	I understand little of the math involved in the problem.	I understand some of the math concepts in the problem, but not all of them. I didn't solve all parts of the main problem.	I understand all of the math concepts in the problem. I attempted to solve all parts of the main problem.
Strategy	I didn't know how to set up the problem. I had no ideas that would lead me to the correct solution.	I picked an incorrect strategy. My strategy relied on luck to get the right answer. I used guess and check exclusively, with no algebraic techniques.	I used two separate strategies. I used an unusual or sophisticated strategy.
Accuracy	My work contains many mistakes.	My work is mostly accurate, with a few errors, such as calculation mistakes or using incorrect units.	(not possible for most problems)
Communication			
Completeness	I didn't write much, if anything, about how I found my answer.	I didn't define my variables. I didn't explain where my expressions or equations came from. I showed my work, but didn't explain it. I explained what I did without showing any of the actual work.	I defined my variables. I explained all of the steps taken to solve the problem. I stated any equations and formulas used and explained where most of those equations came from.
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 easily. My explanation is long and written entirely in one paragraph. My explanation has many spelling, grammar, and typing errors.	I formatted things exceptionally clearly. My answer is very readable and it looks good!
Reflection (see list)	I did nothing reflective.	I did one reflective thing. The items in the columns to the right are considered reflective. They could be in the solution or the comment left after reviewing the Math Forum's answer.	I did three or more reflective things or did an exceptional job with two of them. I commented on and explained the ease or difficulty of the problem. I revised and improved my work.

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