

# Mathematics Problem-Solving Evaluation Rubric

Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

Problem/Assignment: \_\_\_\_\_

Criteria	4 Exemplary	3 Proficient	2 Developing	1 Beginning
<b>Understanding the Problem</b>	Completely and clearly interprets the problem; identifies all important elements.	Correctly interprets the problem; identifies most relevant elements.	Partially interprets the problem; misses some relevant elements.	Misinterprets or minimally addresses the problem; misses key elements.
<b>Strategy and Planning</b>	Develops an efficient and appropriate strategy; clearly organized plan.	Uses an appropriate strategy; plan is mostly organized.	Strategy is partially appropriate; plan lacks organization or detail.	Uses an ineffective or inappropriate strategy; minimal or no planning evident.
<b>Execution of Solution</b>	Accurately follows plan and successfully carries out computations; few/no errors.	Follows plan, minor computational or procedural errors.	Inconsistent following of plan; several errors present.	Major errors or no clear attempt at executing a solution.
<b>Reasoning and Justification</b>	Thoroughly justifies each step; strong mathematical reasoning.	Justifies most steps; reasoning is mostly sound.	Limited justification or reasoning; some steps not explained.	Little or no justification; weak or absent reasoning.
<b>Communication</b>	Solution is clearly and coherently explained, uses proper mathematical language.	Explanation is mostly clear, minor lapses in language or coherence.	Explanation is unclear or incomplete; frequent lapses in language.	Solution is hard to follow or incomplete; improper or no mathematical language.

Comments:

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