

Problem of the Month Write Up

Directions: Using a separate sheet of paper, complete each of the four steps below for the last level of the problem that you were able to complete. Organize your response and staple this to your PoM packet.

- **Problem Statement**
In your own words, state the general overall problem clearly enough that someone unfamiliar with the problem could pick up your paper and understand what you are asked to do.
- **Process**
Describe in detail how you attempted to solve this problem. You may want to consider some of the following questions. You should also include things that didn't work.
How did you get started?
What approaches did you try?
Where did you get stuck?
Did you talk to anyone about the problem?
Did talking to someone help or hinder you?
What drawing, chart, graph, or model did you use?
- **Solution**
State your solutions as clearly as you can. Include any charts, graphs, lists, and so on that you used to help you. If you were able to generalize the solution, include your results. Defend why you believe your solution is correct or the best possible answer. Your explanations should be written in a way that will be convincing to someone else.
- **Learning**
Reflect on the problem. What did you learn? What mathematics did you use?

<u>Rubric</u>	
5	Accomplishes the task with distinction Goes beyond the task requirements
4	Accomplishes the task Strategy and execution are effective, minor defects can be edited by student without prompting
3	Ready for revision Student could mathematically tackle the task but needs written feedback, not teaching, to address some aspects
2	Partial success, more instruction needed Only parts of performance are accomplished, lack of evidence that student could complete the task
1	Engaged task with little success Fragments of appropriate material, shows some effort, but little success of accomplishing the task.
0	No response or off task