**Your Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name of Problem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Problem Solving Rubric**

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** | **Points Possible** | **Self-Score** | **Instructor’s Score** |
| **Understand the Problem**Demonstrate clear understanding of the problem, which could include:* Restates the question(s) in own words,
* States the given,
* Defines the variables, and/or labels a diagram.
* Clarifies the definitions of key works in the problem.
 | **.5** |  |  |
| **Make a Plan:**Explain your strategy | **1** |  |  |
| **Implement and Carry out the Plan:*** Discuss any initial strategies that did not work.
* Give a logical explanation of how the answer was achieved using appropriate details, mathematical vocabulary, and notation.
* Clearly articulate thought process.
* Include pertinent diagrams, tables, sketches, equations, graphs, etc.
* State the final answer in a complete sentence. It is clear, complete, and correct.
 | 2.5 |  |  |
| **Looking Back: Reflecting on the Problem and Process:*** Check your answer.
* What did you do to determine if your answer is reasonable?
* Did you learn anything from doing the problem?
* Can you see a pattern that would lead to a generalization?
* Does this problem make you think of any other related question?
 | **1** |  |  |
|  |  |  |  |
| **Total Score** | **5** |  |  |