**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** |  |  |