# PROBLEM SOLVING VALUE RUBRIC

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<th>Capstone</th>
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## Define Problem
- Demonstrates the ability to construct a clear and insightful problem statement with evidence of all relevant contextual factors.
- Demonstrates the ability to construct a problem statement with evidence of most relevant contextual factors, and problem statement is adequately detailed.
- Begins to demonstrate the ability to construct a problem statement with evidence of most relevant contextual factors, but problem statement is superficial.
- Demonstrates a limited ability in identifying a problem statement or related contextual factors.
- Failed to meet Benchmark.

## Identify Strategies
- Identifies multiple approaches for solving the problem that apply within a specific context.
- Identifies multiple approaches for solving the problem, only some of which apply within a specific context.
- Identifies only a single approach for solving the problem that does apply within a specific context.
- Identifies one or more approaches for solving the problem that do not apply within a specific context.
- Failed to meet Benchmark.

## Propose Solutions/Hypotheses
- Proposes one or more solutions/hypotheses that indicate a deep comprehension of the problem. Solution/hypotheses are sensitive to contextual factors as well as all of the following: ethical, logical, and cultural dimensions of the problem.
- Proposes one or more solutions/hypotheses that indicate comprehension of the problem. Solutions/hypotheses are sensitive to contextual factors as well as one of the following: ethical, logical, or cultural dimensions of the problem.
- Proposes one solution/hypothesis that is designed to address the specific contextual factors of the problem.
- Proposes a solution/hypothesis that is difficult to evaluate because it is vague or only indirectly addresses the problem statement.
- Failed to meet Benchmark.

## Evaluate Potential Solutions
- Evaluation of solutions is deep and elegant (for example, contains thorough and insightful explanation) and includes, deeply and thoroughly, all of the following: consider history of problem, reviews logic/reasoning, examines feasibility of solution, and weighs impacts of solution.
- Evaluation of solutions is adequate (for example, contains thorough explanation) and includes the following: considers history of problem, reviews logic/reasoning, examines feasibility of solution, and weighs impacts of solution.
- Evaluation of solutions is brief (for example, explanation lacks depth) and includes the following: considers history of problem, reviews logic/reasoning, examines feasibility of solution, and weighs impacts of solution.
- Evaluation of solutions is superficial (for example, contains cursory, surface level explanation) and includes the following: considers history of problem, reviews logic/reasoning, examines feasibility of solution, and weighs impacts of solution.
- Failed to meet Benchmark.

## Implement Solution
- Implements the solution in a manner that addresses thoroughly and deeply multiple contextual factors of the problem.
- Implements the solution in a manner that addresses multiple contextual factors of the problem in a surface manner.
- Implements the solution in a manner that addresses the problem statement but ignores relevant contextual factors.
- Implements the solution in a manner that does not directly address the problem statement.
- Failed to meet Benchmark.

## Evaluate Outcomes
- Reviews results relative to the problem defined with thorough, specific consideration of need for further work.
- Reviews results relative to the problem defined with some consideration of need for further work.
- Reviews results in terms of the problem defined with little, if any, consideration of need for further work.
- Reviews results superficially in terms of the problem defined with no consideration of need for further work.
- Failed to meet Benchmark.

### TOTAL Score