

# Assignment 1 Grading Rubric

Total Points: 47

- **Quadratic Formula** **24 points**
  - Input 5 points
    - User asked for a, b, and c
    - Program explains what each represents
  - Calculation 5 points
    - Formula converted to Python correctly
    - Correct roots found
  - Output 3 points
    - Program explains output
    - Roots presented (and rounded to two decimal places)
  - Program behaves as described 2 points
  - Three problems
    - Problem “almost explicitly stated in the background section” handled correctly 3 points
    - Problem with square root of negative number handled correctly 3 points
    - Third problem identified in information sheet 3 points
- **Context Search** **18 points**
  - Input 2 points
    - Program prompts for input
  - Searching 3 points
    - Appropriate string method used correctly
  - Handles search string not found 2 points
    - Displays brief message explaining string not found
  - Handles search string found at start of string 4 points
    - Found string and context showed appropriately
  - Handles search string found elsewhere 4 points
    - Found string and context showed appropriately
  - Program behaves as described 3 points
- **Documentation and Readability** **5 points**
  - Name in source code 1 point
  - Variable names are short but descriptive 3 points
  - Programs adequately commented 1 point