Grading Guidelines for Assignments 3 and 4 (December 17)

Assignment 1 (Total Marks = 10):

- Output (1 mark for each test case): 1 mark
    - Test case 1: collinear – should print collinear (1 mark)
    - Test case 2: non-collinear, isosceles – should print all sides correctly (0.5 mark) and print isosceles (0.5 marks)
    - Test case 3: non-collinear, neither equilateral nor isosceles – should print all sides correctly (0.5 marks) and print correct message (0.5 marks)
    - TAs should coordinate to create the test cases, all programs to be tested against same test cases
- Code (use your judgement for partial marks): 7 marks
    - Header in comment at beginning of program - 0.5 marks (give 5 if they have put something, no correctness check needed, can make a comment if very wrong)
    - Reading in the three points – 1 mark (can read in one or moer scanf's)
    - Checking for collinearity and printing message – 1 + 0.5 = 1.5 marks (can use any method to check)
    - Three sides computed and printed correctly = 1 mark
    - Area computed and printed correctly – 1 mark
    - Check for equilateral, isosceles, and neither – 2 marks

Assignment 2 (Total Marks = 10):

- Output (binary marking: either 1 or 0 for each test case): 3 marks
    - Test Case 1: 496 (it is a perfect number), should print Yes
    - Test case 2: 284 (non-perfect and non-prime), should print no
    - Test case 3: 83 (non-perfect and prime), should print no
- Code (use your judgement for partial marks): 7 marks
    - Proper for loop – 2 marks (deduct 0.5 if they go all the way to X-1 to find the factors, give a comment)
    - Finding the factors – 2 marks
    - Keeping running sum (including initialization) – 2 marks
    - Equality check and printing – 1 mark

For partial marking, use resolution of 0.5.

While grading the code, general idea is that ones who are close to correct should get almost full marks in code. If their programs did not compile or run for some small mistakes, they have already lost in output. Use your judgement as to how much to deduct, they can always ask you later.

For any marks deducted, please write some comments as to why it is so.

You may give any other comments to improve them as you see fit.