Grading Guidelines for Part-1 of Lab Test 1

For partial marking in code parts, use your judgement, but deduct in granularity of 0.5.

- Output: 2 marks
  - No marks in output for printing the points at the beginning
  - Exact format not important. Even if they didn't print in a single line, accept.
  - Test case 1: (1, 4), (10, 1), (3, 5), (5, 6) (7, 2)
    - Non-dictated points (10, 1) (7, 2) (0.5 marks, binary)
    - Remaining points (1, 4), (3, 5), (5, 6) (0.5 marks, binary)
  - Test case 2: (1, 1), (2, 2), (3, 3), (4, 4), (5, 5)
    - Non-dictated points (5, 5) (0.5 marks, binary)
    - Remaining points (1, 1), (2, 2), (3, 3) , (4, 4) (0.5 marks, binary)
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- Code: 8 marks
  - Reading in the coordinates in X and Y arrays: 1 marks
    - Should read in exactly in order specified. If not deduct 0.5
  - Printing the points: 1 mark
    - Should print in a single line. If not deduct 0.5.
  - Finding and printing non-dictated point: 3
    - Two nested loops to compare the points: 1 mark
    - Condition check: 1 mark
    - Keeping track of non-dictated and printing: 1 mark
      - They may store in an array first all non-dictated points found and then print at the end once, that is ok
  - Deleting from X and Y: 3 marks
    - Finding each non-dictated point: 1 mark
      - Ok if they write the loops again to find the non-dictated points, or use an additional arrays to remember it from earlier, and then find it in the array X and Y by a loop, or even if they remember the indices and go straight there
    - Deleting and rearranging the array: 2 marks
      - Must delete from X and Y, just printing is not sufficient. Deleting means if there are K such points remaining, they should be in the first K positions in X and Y, and the number of elements n should be changed to K (or they can keep a separate count and use that to print, that is ok too). So they have to shift the array after each deletion and adjust the number of entries.
      - Give 0 out of 2 if they do not actually delete like above.