Lab #4 (10 points)

1. Write a program that allows the user to take a 5-question multiple-choice exam on a subject of your choosing. The program should:
   - display each question, with 4 answer options;
   - read the user’s answer;
   - keep track of the number of right and wrong answers;
   - display the results at the end of the program

   An example of a typical question would look like this:

   1) What is the capitol of the state of Kentucky?
      a) Lexington
      b) Louisville
      c) Frankfurt
      d) Bowling Green

   Your answer:

   An example of the results section might look like this:

   You got 5 right and 0 wrong.

   Hints:
   - You will need variables to keep track of the number right and the number wrong. Initialize both of these variables to 0 when you declare them.
   - You only need to declare one variable to hold the answers the user will enter – this is not a value that you need to hold on to once its correctness (or lack thereof) has been recorded.
   - You should allow the user to enter either upper or lowercase letters when answering the questions; in other words, the question above should be counted right if the user enters either c or C

2. Write a program that takes the x-y coordinates of a point in the Cartesian plane and prints a message telling in which quadrant in the point is found. If one or both of the coordinates is 0, the message should tell which axis (or at the origin) where the point is found.

   ![Cartesian plane diagram]

   Sample output:

   (-1.0, -2.5) is in quadrant III
   (0.0, 4.8) is on the Y axis