**CSE 135: Fundamentals of Computer Programming**

**Lab 8: More with Classes and Objects**

**June 30, 2014**

1. Create a class for Circle having private member radius. Write methods which can calculate area and circumference of a circle.
2. Modify the Circle class by adding two other private members for the centre of that Circle. Take the value of centre of the circle from the user. Take another pair of xi and yi from the user and write a method in the circle class which will determine whether the point xi and yi are inside the circle or not.

Hint: Formula to find whether a point is inside circle is:

1. Can you take 5 points from the user and determine whether they are inside circle, on the circle or outside the boundary of the circle. Are you feeling some difficulty/ inefficiency? Can you think of any way around?