CSC108-Introduction to Computer Programming, winter2011

Answer:

	Quiz 4 (15 minutes)	
Name:	Student ID:	-
	Mark:/10	

(a) [5 marks] Define a Circle class. It should contain a float value called radius. Your class should contain an init method and methods to compute the circumference $(2\pi r)$ and area (πr^2) of the circle. (The constant π is math.pi, if you import the math module). Please make sure that the indentation of your written solution is clear. (b) [2 marks] What method would you add to your Circle class such that, if C is a Circle object with radius 1.5, then typing print C gives the following output: Circle with radius 1.5

Answer:

	 (c) [3 marks] Given your Circle class, write a fragment of Python code to do the following: create a new Circle object with radius of 2.5 and assign to variable C1; print the circumference of C1; print the area of C1; create another Circle object with radius 3.5 and assign to variable C2; print the Boolean result indicating whether ten plus the area of C1 is greater than the area of C2.
Answer:	