1. (20 pts) Create a GPA class, a driver for it, and a report. The GPA class should hide at least two instance variables, one that holds the number of credits (an int) and one that holds the number of quality points (a double). The constructor should create a GPA object with 0 credits and 0.0 quality points. Provide setters and getters for both of these. Also provide an addCourse method that will increase the number of credits and the number of QPs as indicated by its parameters (the qp value passed to this method indicates the grade in the course). You will need to include an average method that computes and returns the current gpa as a double, and of course you need to provide a nice toString method.

```java
GPA mygrades = new GPA();
myGrades.setCredits(10);
myGrades.setQPs(30);
System.out.println(myGrades.average());
myGrades.addCourse(4, 4.0);
System.out.println("\n" + myGrades);
```

Credits: 14
QPs: 46.0
Average: 3.28

2. (10 pts) Add another method to your GPA class called avgNeeded that takes two parameters, the first indicating the number of credits you are going to take and the second indicating what you hope your GPA will be after taking those credits. This method will return the average you need to score in those credits to reach your goal. Create a second report for this part of the project.

```java
GPA mygrades = new GPA();
myGrades.setCredits(15);
myGrades.setQPs(30);
System.out.println(myGrades.average());
System.out.println("I am taking 10 credits.");
System.out.println("I want a C+ overall average.");
System.out.println("So in my current courses I must average ");
System.out.println(myGrades.avgNeeded(10, 2.33));
```

2.0
I am taking 10 credits.
I want a C+ overall average.
So in my current courses I must average 2.83