COP 3223 Program #1: Suck Up to TAs, Gas Cost Estimate

Program A: Suck Up to the TAs (suckup.java)
The typical first Java program is to print out a single line that prints, "Hello World!" To have a little bit of fun editing this, have your program compliment the TA grading it, so that they might grade you favorably in the future!

Program B: Gas Cost Estimate (gascost.java)
Last semester you estimated how many miles you drove when coming to campus. But what you really wanted to know is how much you would spend on gas. So in this program, you'll estimate both.

Your program should prompt the user with the following questions:

1) How many times a week do you come to UCF?
2) What is the distance between your residence and UCF?
3) How many miles per gallon does your car drive?
4) What is the cost of a gallon of gas in dollars?

The user will enter integers for the first item and **doubles for the last three items.**

Use the values the user enters to calculate the three following things:

1. The number of miles they drive total.
2. How many gallons of gas they'll need for driving to/from campus for the week.
3. The total cost of gas for the week for driving to/from campus.

Write a program to do these calculations.

Sample Program Run (User Input in Bold and Italics)
```
How many times a week do you come to UCF?
5
How many miles is your home from UCF?
19.3
How many miles per gallon does your car get?
31.4
What is the cost of a gallon of gas in dollars?
2.649
You will drive 193.0 miles a week to and from work.
You will use 6.146496815286625 gallons of gas.
You will spend a total of $16.28207006369427 for your commute.
```

<u>Deliverables</u>
<u>Please submit two separate .java files</u> for your solutions to these problems via WebCourses by the designated due date:

Program A: **suckup.java**
Program B: **gascost.java**

Please make sure to include a header comment and internal comments in your code and indent when appropriate.