CS 200 > Assignment 2

Problem:

I love pizza! Determine the **exact** number of square inches of pizza I will get from 2 - 7" pizzas and then from a 14" pizza, letting me know the outcome of your computations.
Then, determine how many more square inches of pizza I will get if I order 1 - 14" pizza, instead of 1 - 7" pizza, again, letting me know the outcome of your computations.
Also, if I order the 14" pizza, beside myself, I will have to share it equally with 5 friends. **Exactly** how much pizza will I get to eat?

Note: Make sure your displayed outcomes are user-friendly.

Assignment Specifications:
- ❑ Create a flowchart to solve this problem (flowchart must be submitted prior to coding).
- ❑ Code the problem using the jGrasp IDE, making sure to include comments & template as illustrated.
- ❑ Submit your source code (.java file)
- ❑ Submit your output (saved in a notepad .txt file)

(see syllabus for assignment grading details)

```java
//CS200
//(semester, year)
//Instructor: F.Porps
//Assignment #2
//Due:
//File name: Pizza.java

class Pizza
{
    public static void main(String args[ ])
    {
        //declare all needed variables first

        //complete necessary computation processes

        //display user friendly outcomes to solve the problem
        System.out.println();
        //system.out.println() is to display output to the screen
        /*data placed between quotes is called a string literal, + concatenates , to display
          variable values - do not use quotes*/
    }
}
```

Hints:

What is more accurate an int, float, or double?

+ concatenates string literals & variable values to create detailed output.

There are **two features** of the Math class that will come in handy for this assignment, Math.pow and Math.PI

How do you determine the area/square inches of a circle?