CS1301 Quiz 1, 08/27/2014

Write down your name, class and section #, then answer the following questions:

1. Name one data type in the Java language specification that can represent fractions.

**double/float**

2. There are at least two data types that can represent rational numbers. We discussed them in class. Describe the main difference between them. One specific word is enough.

**precision: double is 64 bit, float is 32 bit**

3. Why can compiled Java programs run on many different platforms?

**JVM**

4. What integrated development environment (IDE) are we using in this class?

**jGRASP**

5. Describe the difference between syntax errors and logic or semantic errors.

**Syntax errors violate language specification while logic/semantic errors cause program to produce incorrect results.**