Quiz (practice quiz –does not count toward grade)  10/7/14

1. Suppose you look up a method in the Java API and find this method heading:

   ```java
   static void doThis(String x)
   ```

   a) Fill in the following information about this method:

   Method name: ________________________________
   Method return type: ____________
   Required parameters for the method: (how many? of what type(s)?)
   _______________________________________________

   b) Suppose this method is defined in class QuizClass and you have an object quizzie of that class. Give an example of the use of the dot operator to invoke this method. (Hint: You need to use quizzie or QuizClass, but not both.)

2. a) Write code to declare and instantiate an object of the Random class (call the object reference variable rand).

   ```java
   Random rand;
   ```

   b) Write an expression using the nextInt method that generates random numbers in the range 1 to 1000, including the endpoints. Use the version of the nextInt method that accepts a single integer parameter.

   ```java
   rand.nextInt(1000 + 1);
   ```

   c) Repeat using Math.random()
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1. Suppose you look up a method in the Java API and find this method heading:

   String doThis ( int x )

a) Fill in the following information about this method:

   Method name: ____________________________
   Method return type: _____ _______
   Required parameters for the method: (how many? of what type(s)?)
   ___________________________________________________________________

b) Suppose this method is defined in class QuizClass and you have an object quizzie of that class. Give an example of the use of the dot operator to invoke this method through quizzie to print something. (Hint: You need to use quizzie or QuizClass, but not both.)

2. Suppose the String variable message is already initialized. Write a Java code fragment that prints out message, one letter per line.

3. Write some code that uses the Math class to compute and print out the value of \( \cos(\pi/2) \).