Quiz 4 2/14/19  Name:_________________   ____/20

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

   int practice()

   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)?)
   ____________________________________________

2. Given a Random object named `rand`, write a Java expression that produces a value in the range 8 through 20 (inclusive).

3. Fill in the blanks & show output (or indicate that an error would occur).

   String word = "Valentine";
   int num = word.length();

   num _____ word.charAt(1)____ word.charAt(4)_____

   word.substring(1)________

   int n = 0;
   while (n < 4)
   {
       System.out.println(word.charAt(n) + "*");
       n++;
   }

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

   `String valentine(double x)`

Fill in the following information about this method:

<table>
<thead>
<tr>
<th>Method name:</th>
<th>________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method return type:</td>
<td>____________</td>
</tr>
<tr>
<td>Required parameters for the method: (how many? of what type(s)?)</td>
<td>____________________</td>
</tr>
</tbody>
</table>

2. Fill in the blanks & show output (or indicate that an error would occur).

   ```java
   String word = "LOVE";
   int num = word.length();

   num ____ word.charAt(1)_____
   word.charAt(0)____ word.charAt(num) ____

   int n = 0;
   while (n < word.length())
   {
       System.out.print("o" + word.charAt(n));
       n = n + 2;
   }
   ```

   Output:

3. Given a Random object named `rand`, what range of values are produced by the following expressions?

   - `rand.nextInt(7)` _______
   - `rand.nextInt(20) - 5` _______