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

   ```java
   String doThis (int x)
   ```

   Fill in the following information about this method:

   Method name: __________ do this ____________
   Method return type: ____String____
   Required parameters for the method: (how many? of what type(s)?)
   __________ one, an int ___________________

2. Fill in the blanks & show output
   ```java
   String word = "overdrive";
   int num = word.length();

   num _9_ word.charAt(1) _v_
   word.charAt(4) _d_ word.charAt(num - 1) _e_

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

   Output:
   oaeadaiaea

3. Given a Random object named `rand`, what range of values are produced by the following expressions?
   - `rand.nextInt(8)` ________ 0 to 7
   - `rand.nextInt(50) - 10` ________ -10 to 39
   - `(char) (rand.nextInt(4) + 'a')` ________ 'a' to 'd'
1. Suppose you look up a method in the Java API and find this method heading:

   `double word()`

a) Fill in the following information about this method:

   Method name: `word`  

   Method return type: `double`  

   Required parameters for the method: (how many? of what type(s)?)

   `None`  

2. Given a Random object named `rand`, write a Java expression that produces a value in the range 4 -20 (inclusive).

   `rand.nextInt(17) + 4`  

3. Fill in the blanks

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

   num _12_ word.charAt(1) _1 word.charAt(4) _n_  

   word.substring(1) _plaintalking_  

   int n = 0;  
   while (n < num-1)  
   {  
      System.out.print(word.charAt(n) + " ");  
      n++;  
   }

   Output:

   `plaintalking`