Quiz: Methods -- Parameters

1. Consider the following method header:

   ```java
   public static void first(String second, int third) {
   ...
   }
   ```

   a. What is the name of this method? **first**

   b. How many parameters does this method have? **two**

   c. Which of the following are valid ways of invoking or calling the above method? Select all that are valid.

   i. `first("second", "third");`

   ii. `first("Hello", 45);`

   iii. `first("2nd", 3);`

   iv. `first(2, 3);`

   v. `String s = "s";
       int x = 6;
       first(s, x);`
2. Consider the following method:

```java
public static void sports(String basketball, String football, String baseball) {
    System.out.println(basketball + " is better than " + football);
    System.out.println("but " + football + " is my favorite sport.");
}
```

a. (18 points) What will be the output of the program if the method above is invoked with the following code?

```java
String football = "basketball";
String basketball = "baseball";
String baseball = "football";

sports(basketball, football, baseball);
```

```
baseball is better than football
but basketball is my favorite sport
6pts per sport correct
```

b. (18 points) Using the variables declared and initialized in part (a), write the invocation of the method `sports` which would generate the following output:

```
Basketball is better than baseball
but football is my favorite sport.
```

```java
sports(basketball, baseball, football);
```

```
6pts per correct variable
```