# CS172  Quiz 4

*Note: This is an open book quiz. You can refer to any book, slides, videos, or other online resources. However, your work must be independent and should not get help from another person. You can choose to write on this Word document directly, or hand writing on a hard copy and scan it before uploading to D2L.*

**Name** Gunnar Yonker                     **Score**_____

1. Which of the following is the constructor of class ToughQuestion:
    a. public String ToughQuestion(String question) { ....}
    (b. public ToughQuestion(String question) {...} )
    c. public static void ToughQuestion(String question) {....}
    d. void ToughQuestion(String question) {....}

2. In order to know how many elements are there in the **array** *myStringArray*, we use:
    a.  myStringArray.number          (b. myStringArray.length )
    c.  myStringArray.size             d. myStringArray.sizeof( )

3. Suppose that we want to write a program that calculates the sum of two numbers.  Fill in the blank:

public int getSum(int a, int b){
   int sum = a + b;

   _____
}
    a.  sum;                      b.  return;
    (c.  return sum; )            d.  return getSum;

4. The following is the **constructor** for the class *Faculty*. This class has one attribute which is **String id** (assuming that this attribute is declared).
    (1) What is wrong with this constructor? Please correct it.

        public boolean Faculty() {       (String id)
            id = "unknown";        Constructor needs to be defined inside
            return true;                     of the parentheses
        }

    (2) Please write the setter and getter methods for the id attribute.

```
//Setter
public void setId(String id1)
{
    id = id1;
}


//getter
public String getId()
{
    return id;
}
```