Name _____Period_____

1. Refer to the code below to answer the following

```
String s = "Get here Thanksgiving!";
String m = "er";
int j = 8, z = 99;
```

(a)
`int k = s.indexOf(m);`
`System.out.println(k);`	

(b)
`int k = s.indexOf('T');`
`System.out.println(k);`	

(c)
`char p = s.charAt(6);`
`System.out.println(p);`	

(d)
`int k = s.indexOf(z);`
`System.out.println(k);`	

(e)
`int k = s.indexOf('g', j);`
`System.out.println(k);`	

(f)
`char p = s.charAt(z – 90);`
`System.out.println(p);`	

(g)
`int k = s.indexOf(m, 15);`
`System.out.println(k);`	

(h)
`int k = s.indexOf(z + 2, 4);`
`System.out.println(k);`	

(i)
`boolean k = s.contains(m);`
`System.out.println(k);`	

(j)
`String s2 = "  JAVA  ";`
`String k = "!" + s2.trim() + "!"`
`System.out.println(k);`	

(k) `System.out.println(m.compareTo(s));`	
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2. The Alphabetize class below, alphabetizes three words. Consider the following examples. Write the Alphabetize class.

Values of Strings s1, s2, and s3 before	**Values of s1, s2, and s3 after**
String s1 = “cat”; String s2 = “car”; String s3 = “dog”;	String s1 = “car”; String s2 = “cat”; String s3 = “dog”;
String s1 = “dog”; String s2 = “cat”; String s3 = “car”;	String s1 = “car”; String s2 = “cat”; String s3 = “dog”;

```
public class Alphabetize{

     public static void main(String args[]){









     }

}
```

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3. Write an algorithm that could be used to count the number of times a string occurs in another string. Consider the examples below[1]. This algorithm requires that you incorporate a loop along with the substring() and length() methods.

String to search	String to find	Occurrences
BAAB	AA	1
AAAAA	AA	2
AABABABAA	ABA	2
ABBAABB	ABA	0

```
public class FindOccur{

     public static void main(String args[]){









     }

}
```

[1] Adapted from the 2020 AP Computer Science A Exam

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