Name _______ Period______

```
1. Refer to the code below to complete the following.
public class Tester {
     public static void main(String[] args){
         double b[] = new double[10];
         b[3] = 19;
         BankAccount myAccount = new BankAccount(79); //sets balance to 79
         int y = 39;
         method1(y, b, myAccount);
         BankAccount anotherAccount = myAccount;
         anotherAccount.deposit = 200;// adds 200 to the balance
         System.out.println(y + " " + b[3] + " " + myAccount.balance);
     }
     public static void method1(int x, double a[], BankAccount theAccount){
         x = 332;
         a[3] = -54;
         theAccount.balance = 702;
    }
}
```

Draw the stack-heap diagram for the code block above

The account x = y = 39 332 y = 39 my Account balance = 79 702 + 200 = 90 b [3]	Stack	Heap	
	Stack	The account x = y = 39 332 y = 39 MyAccount balance = 79 702+200=	

Indicate what is printed

39 - 54 902

```
Refer to the code below to complete the following.
public static void main(String args[]{
                                           public static void testMethod(int pp[]){
  int s[] = \{1,2,3,4,5,6\};
                                              int len = pp.length;
                                              int t2[] = new int[len/2];
 for(int g = 0; g < s.length; g++)</pre>
                                              int i = 0;
      System.out.print(s[g] + " ");
                                              for(int j=0; j<len/2; j++){</pre>
  System.out.print("\n");
                                                 i+=2;
  testMethod(s);
                                                 t2[j] = pp[i-1];
 for(int g = 0; g < s.length; g++)</pre>
                                              for(int k=0; k<t2.length; k++)</pre>
       System.out.print(s[g] + " ");
                                                   System.out.print(t2[k] + " ");
}//end main
                                              System.out.print("\n");
                                              pp = t2;
                                            }//end testMethod
Draw the stack-heap diagram for the code block above
Stack
                                           Heap
                 intiz & 2
                                                 1 3 5 7 0, 03
                  int len = 6
                                               £1,2,3,4,5,65
```

Score _____/25

```
Indicate what is printed

1 2 3 4 5 6

1 3 5

1 2 3 A 5 6
```

```
Refer to the code below to complete the following.
     public class Tester
        public static void main(String args[])
              int [] prf = {13,22,89,15};
              double d = 30.89;
             Circle myCir = new Circle(18);
             myCir.rad = 14;
              fg(prf, d, myCir);
             System.out.println(d); \frac{30.89}{}
              System.out.println(prf[2]);//| /
                                                                                £13,22,89
             System.out.println(myCir.rad);//127
        }
        public static void fg(int [] x, double d, Circle c)
              d++;
             x[2] = 16;
              c.rad = 122;
             System.out.println(d++); // 31.89
              int nn[] = new int[x.length];
             nn[3] = x[0];
             x = nn;
        }
     }
(a) What is the output of
       System.out.println(d); in main?
                                50.89
(b) What is the output of
       System.out.println(prf[2]); in main?
```

Exam Set 21E AP Computer Science A

(c) What is the output of	
System.out.println(myCir.rad); in main?	
100	
122	
(d) What is the output of println in the fg method?	
1.50	
51 XY	
	/4

Score _____/25