```
Question 1: trace
                                            public class Exam2{
      public class Examl(
                                            public static void main(String args[]) (
     static int num=9, sum=0;
                                            point pl=new point();
     public static void main (String
                                            p1.x=1;
     args[]){
     for (int i=0; i<1; i++) {
                                             p1.y=2;
                                             p1.z=3;
    (int num=0; -1
                                             point p2=new point();
    method (num);
                                             p2.x=8;
    System.out.println(num+" "+sum);
                                             p2.y=5;
                                             p2.z=0;
                                              point p3=p2;
   for (int i=0; i<2; i++) {
                                              p2=p1;
   num++; 2/3
                                              System.out.println(p1.x+" "+p1.y+" "+
  method (num);
  System.out.println(num+" "+sum);
                                              p1.z);
                                              System.out.println(p2.x+" "+p2.y+" "+
  sum++; (5)
                                               p2.z);
                                               System.out.println(p3.x+" "+p3.y+" "+
 System.out.println(num+" "+sum);
                                               p3.z);
public static void method(int num) {
                                                class point{
                                                int x, y, Z;
num++; 7 -> 3/
sum++; 7 2
System.out.println(num+" "+sum);
```

re in the following code segments (1 error each):

```
tem.out.println(p3.x+" "+p3.y+" "+
                                           p3.z);
public static void method(int num) (
                                           11
num++; 7 > W
                                           class point!
sum++: 7 2
                                            int x, y, Z;
System.out.println(num+" "+sum);
```

Question 2: Find and correct errors in the following code segments (1 error each):

```
[] list={1,2,3};
                                                  Scanner read;
System.out.print(list[Math.pow(0,1)]);
                                                   read= new Scanner (System.in);
                                                   char c=read.next();
                                                   public int m(int () b) (
Time T:
                                                   int[] x={1,2,3}:
T.hours=9:
                                                    return x;
```

Question 3:

- 1. Write a statement that print the odd elements of an array
- Write a java statement that print the second max number in an array of integers
- 3. Write a method that receive array of double, then create array of integer containing the same numbers as the received array (only the integer part) then, return this array of integer.
- 4. Write a method that receive two integers, and return true if the first number is divisible by the second, false otherwise.



Question 4:

A) From the UML in front of you write the corresponding class. The class methods perform the following:

dateofBirth is staring that store the date of the birth in 'mm-yyyy' format

the method getAge calculates and return age of student.

dateofBirth is staring that store the date of the birth in 'mm-yyyy' format the method getAge calculates and return age of student.

Hint: if the entered month is greater than the current one then you calculate it like this

The_months=(12-Month)+current_Month

- b) Write a class testStudent that contains a main method, then:
- create 2 object of the class student.
- print student information (including its age)