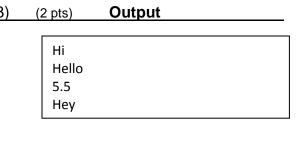
page 1 of 2 Pts: 5

I. Show the memory and output of the following partial Java programs.

```
1) public static void main(String[] args)
                                                                      (1.5 pts)
                                                                                 Output
                                                                         6
     int x;
     AClass anObject = new AClass();
                                                                          Bye
     x = anObject.ex1(1);
     System.out.println(x);
                                         Memory
                                              <u>x</u>
6
    public int ex1(int a)
     int answer;
                                               answer
     answer = a + 5;
     return answer;
     System.out.println("Bye");
2) public static void main(String[] args)
                                                                 2) (1.5 pts)
                                                                                 Output
     AClass anObject = new AClass();
                                                                      24
     System.out.println(anObject.ex2(4, anObject.ex2(2,3)))
                                           Memory
    public int ex2(int x, int y)
                                         <u>x</u>
2
                                                    <u>у</u>
З
                                         4
                                                    6
     return x*y;
```

```
3)
     public static void main(String[] args)
       AClass anObject = new AClass();
       float z;
                                             Memory
      z = anObject.ex3(2.5);
                                                <u>z</u>
5.5
      System.out.println(z);
      System.out.println("Hey");
       public float ex3(float x)
        System.out.println("Hi");
                                              3.5
        x = x + 1.0;
        x = ex3b(x);
        return x;
      public float ex3b(float y)
        System.out.println("Hello");
                                               <u>у</u>
5.5
        y = y + 2.0;
        return y;
     }
```



9) MyClass(10,'r');

9) <u>illegal</u>

Worksheet 5 Classes continued II. Answer the following given the partial class definition code: public class MyClass public MyClass (int newInfo, char moreInfo) public MyClass() public void doSomething() private int info; private char moreInfo; } Write whether the following are *legal* or *illegal* constructor call statements in the main() method. (1 pt each) 1) MyClass anObject = **new** MyClass(10,'R'); 1) <u>legal</u> 2) MyClass anotherObject = **new** MyClass(); 2) legal 3) MyClass yetAnotherObject = **new** MyClass; 3) <u>illegal</u> 4) MyClass(); 4) legal 5) MyClass stillAnotherObject = **new** MyClass(10); 5) <u>legal</u> 6) MyClass yetStillAnotherObject = **new** MyClass;('G', 10); 6) illegal 7) anObject.MyClass(10,'B'); 7) <u>legal</u> 8) anObject.MyClass(); 8) <u>legal</u>

Pts: 15

class hour

I. Answer the following given the partial class definition code:

If the main() method contains the following instantiations:

Car porsche = **new** Car(); Car viper = **new** Car();

and the program initializes all member variables to some value then write whether the following are *legal* or *illegal* statements in the main() method. (1 pt each)

1) porsche.cost = $50 \ 000.99$;

1) illegal

2) viper.cost(40000.98);

2) illegal

3) **double** aCost, aProfit;

3) <u>legal</u>

4) aCost = viper.inputPrice();

4) legal

5) aProfit = viper.inputProfit();

5) <u>legal</u>

6) aProfit = porsche.inputProfit();

6) <u>legal</u>