

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

```

1) public static void main(String[ ] args)
{
  int x;
  AClass anObject = new AClass( );
  x = anObject.ex1(1);
  System.out.println(x);
}

```

```

public int ex1(int a)
{
  int answer;
  answer = a + 5;
  return answer;
  System.out.println("Bye");
}

```

Memory
x

a answer

1) (1.5 pts) **Output**

```

2) public static void main(String[ ] args)
{
  AClass anObject = new AClass( );
  System.out.println(anObject.ex2(4, anObject.ex2(2,3)));
}

```

```

public int ex2(int x, int y)
{
  return x*y;
}

```

Memory

x y

2) (1.5 pts) **Output**

OVER

```

3) public static void main(String[ ] args)
{
    AClass anObject = new AClass( );
    float z;
    z = anObject.ex3(2.5);
    System.out.println(z);
    System.out.println("Hey");

    public float ex3(float x)
    {
        System.out.println("Hi");
        x = x + 1.0;
        x = ex3b(x);
        return x;
    }

    public float ex3b(float y)
    {
        System.out.println("Hello");
        y = y + 2.0;
        return y;
    }
}

```

Memory

z

x

y

3) (2 pts) **Output**
