Name _____ Period _____

Skill 23.2: Exercise 1

Refer to the code below to answer the following,

```java
public class TvShow
{

    public String actor1 = "Don Knots";
    public static String actor2 = "Homer Simpson";
    public static int numShows = 0;
    public static int x = 59;
    public int y = 1059;
    public String showName;


    public TvShow(String nm)
    {
            numShows++;
            showName = nm
    }

    public static int numberOfShows()
    {
            return numShows;
    }

    public void setActor1(String act1)
    {
            actor1 = act1
    }
}
```

(a) Write code that will print the data member actor1. Do this without instantiating any objects.

(b)

     (i)   Create an instance of TvShow called walkingDead (pass in the String "Walking Dead")

     (ii)   Create an instance of TvShow called gameOfThrowns (pass in the String "Game of Thrones"

(c) Write code that will print the class variable numShows. How many shows will be printed?

Skill 23.2: Exercise 2

Refer to the code below to answer the following,

```
public class Dweeb{
  public Dweeb(){
    //Constructor
  }
public static int x;
}
```

For each of the following indicate what is printed:

  (a) `Dweeb.x = 55;`
      `System.out.println(Dweeb.x);`

  (b) `Dweeb twerp1 = new Dweeb();`
      `System.out.println(Dweeb.x);`

  (c) `twerp1.x = 99;`
      `System.out.println(Dweeb.x);`

  (d) `Dweeb twerp2 = new Dweeb();`
      `System.out.println(twerp2.x);`

Skill 23.3: Exercise 1

```
public class Main
{
  public static void main(String[] args)
  {
    double yz = methodF();
  }
  public static double methodF()
  {
    double d = 3.14;
    return d;
  }
public static double sv = 99;
public int i = 7;
}
```

Consider the following calls in the main method. For each of the following indicate whether the statement is legal or illegal

  (a) double yz = sv;

  (b) int xyz = i

  (c) System.out.println(method()/sv);

  (d) System.out.println(yz/i);