1) Write the value for “n” after each compare function is executed. (20 points)
   n = “3”.compareTo(“4”); // Answer = _________________
   n = “moo”.compareTo(“ZOO”); // Answer = _________________
   n = “INSECT”.compareTo(“she”); // Answer = _________________
   n = “bee”.compareTo(“bee”); // Answer = _________________

2) What is var6 equal to? (10 points)
   int var6 = (16%5)>2?12:18;

3) Correct the 5 errors (syntax or logic) in the following snippet of code. Use an
   arrow to point to the error. Place your correction at the tail of the arrow. (20 points)

   ```java
   int[ ] arr = {2,5;77,90,11,b};
   for (int j = 0, j >arr.length(); i++)
   {
       System.out.println(“Integer value is: “ + j)
   }
   ```

4) Write the output produced when the following statement is executed. (10 points)
   System.out.print(“The professor said \“Here’s the directory.\” “ + “He then wrote C:\temp on the board.”);
5) Referring to the following snippet write the exact output produced. (15 points).

```java
public class Test {
    public static void main(String[] args) {
        int k = 17;
        char input = 'd';
        input++;

        switch (input) {
            case 'c': k++; 
            break;
            case 'd': k = k*2; 
            break;
            case 'e': k = k%3; 
            break;
        }
        System.out.println("Value of k is: "+k);
    }
}
```

Answer: __________________________________________

6) Write the output produced when the following statement is executed. (10 points)

```java
System.out.print("The professor said \"Here’s the directory.\" " + "He then wrote C:\temp on the board.");
```

7) The fifth element of an integer array named dataPoints is passed to a method called setData. Which of the following answers (only one) represents what was passed? (10 points)
   i) dataPoints
   ii) setData[4]
   iii) dataPoints(4)
   iv) dataPoints[4]
   v) none of the above
8) Referring to the snippet of code below fill in the blanks with code used to initialize the two objects in the setRocketEngine method. (15 points).

Angle ang = new Angle(20,30);
double power = 150000.00;

Object[ ] obj = {(Object)ang, (Object)power};

setRocketEngine(obj);

private void setRocketEngine(Object[ ] o)
{
    Angle a = ____________________
    double p = _________________
}