JAVA Programming Language Homework IV: I/O

ID: **Name:**

1. When comparing java.io.BufferedWriter to java.io.FileWriter, which capability exists as a method in only one of the two?

A. Closing the stream

B. Flushing the stream

C. Writing to the stream

D. Marking a location in the stream

E. Writing a line separator to the stream

ANS:

2 Chain these constructors to create objects to read from a file named "in" and to write to a file named "out".

```
1.      Reader = [1. place here] [2. place here] "in" ) );
2.      Writer = [3. place here] [4. place here] [5. place here] "out" ) );
```

Constructors:

A. new FileReader (	B. new PrintReader (	C. new BufferedReader (
D. new BufferedWriter (	E. new FileWriter (	F. new PrintWriter (

Which sequence is correct?

A. CAFDE

B. ACDFE

C. CAEDF

D. CBFDE

E. BCDFE

ANS:

3 Place the code fragments into position to use a BufferedReader to read in an entire text file.

```
class PrintFile {
    public static void main (String[] args) {
        BufferedReader buffReader = null;
        // more code here to initialize buffReader
        try {
            String temp;
            while( [1. place here] [2. place here] ) {
                System.out.println(temp);
            }
        } catch [3. place here]
            e.printStackTrace();
        }
    }
}
```

Code Fragments:

A. (temp = buffReader.readLine ())	B. && buffReader.hasNext ()
C. (temp = buffReader.nextLine ())	D. (IOException e) {
E. ! = null	F. (FileNotFoundException e) {

Which sequence is correct?

A. AED

B. AEF

C. ABD

D. CBF

E. CED

ANS:

4 Place the Fragments into program, so that the program will get lines from a text file, display them, and then close the resources.

```
import java.io.*;
public class ReadFile {
    public static void main (String[] args) {
    try {
        File x1 = new File("MyText.txt");
        [1. Place here] x2 = new [2. Place here](x1);
        [3. Place here] x4 = new [4. Place here](x2);
        String x3 = null;
        while(( x3 = x4.[5. place here]()) != null ) {
            System.out.println(x3);
        }
        x4.close();
    }
    catch (Exception ex) {
        ex.printStackTrace ();
    }
    }
}
```

Code Fragments:

A. BufferedReader	B. StreamReader	C. FileReader	D. readLine
E. readLn	F. read	G. closeFile	F. close

Try to fill them:

1.______ 2.______ 3.______ 4.______ 5.______

ANS: