

Name \_\_\_\_\_ Period \_\_\_\_\_

**Skill 25.01: Exercise 1**

Classify each of the following as an error or as an exception. For each exception, indicate whether it is checked or unchecked.

Problem	Error or Exception	Checked or unchecked or NA
Out of memory		
Array index out of bounds		
String index out of bounds		
File not found		
Infinite loop		
Division by zero		

**Skill 25.01: Exercise 2**

The following code blocks would cause errors. Fix the code to prevent an error from occurring

```
for(int num = 1234; num >=0; num = num/10){  
    System.out.print(num%10);  
}
```

```
public static void test(int i)  
{  
    if (i == 0)  
        return;  
    else {  
        test(i++);  
    }  
}
```

Name \_\_\_\_\_ Period \_\_\_\_\_

**Skill 25.02 Exercise 1**

For each of the following unchecked errors, write a try-catch block to catch the error.

```
int[] myArray = {1, 2, 3}  
System.out.println(myArray[3]);
```

```
System.out.println(10/0);
```

```
String pointer;//not initialized, its null
```

```
Object x = new Integer(0);  
System.out.println((String)x);
```

```
String s = "Hello";  
System.out.println(s.charAt(5));
```

Name \_\_\_\_\_ Period \_\_\_\_\_

**Skill 25.03 Exercise 1**

Re-write the code segment below to catch the possible errors that could occur. Add a *finally* clause at the end of the try-catch statements to close the scanner resource.

```
Scanner sc = new Scanner(System.in);  
System.out.println("Give me a number");  
int n = sc.nextInt();  
int result = 500/n;
```