AP Computer Science A
Ticket Out the Door
Set 25: Exceptions

Name _____ Period _____

Skill 25.2: Exercise 1
The following code blocks would cause errors. Fix the code to prevent an error from occurring

```
class InfiniteLoop {

    public static void test(int i){

        for(int i = 1; i > 0; i++){
            System.out.println(i);
        }

    }
}
```

```
class StackOverflow {

    public static void test(int i)
    {

    //Not correct as base condition
    //leads to non-stop recursion.

        if (i == 0)
            return;
        else {
            test(i++);
        }

    }
}
```

Skill 25.2 Exercise 2
For each of the following code segments identify the unchecked error that would occur

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

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

(c) `String pointer = null;`
        `if(pointer.equals("this")`
            `//do something`

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

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

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Skill 25.2 Exercise 3
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 = null;
if(pointer.equals("this")
            //do something
```

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

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

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