AP Computer Science A
Ticket Out the Door
Set 26: Exceptions

Name _____ Period _____

Skill 26.2: Exercise 1
The following code blocks would cause errors. Fix the code to prevent an error from occurring

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```
class InfiniteLoop {

   public static void test(int i){

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

   }

}
```

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```
class StackOverflow {

   public static void test(int i)
   {

   //Not correct as base condition
   //when i > 0
   //leads to non-stop recursion.

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

   }

}
```

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Skill 26.2 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;
      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 26.2 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;
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));

Name _____ Period _____