AP Computer Science A
Ticket Out the Door
Set 11: *while* and *do-while* Loops

Name _____ Period _____

Skill 11.1 Exercise 1	
Implement the following *for-loops* as while loops	
``int m;

for(m = 97; m <= 195; m++)
{
    k = k * k + 3 * m;
    p = p + m + 1;

}``` | |
| ```for(int v = 2; v <= 195; v*=3)
{

    k = k * k + 3 * v;
    q = Math.sqrt(q + v + 1);

}``` | |

Skill 11.1 Exercise 2
Write a program that accepts an integer from the user, then prints the number backwards using a *while* loop.
| ```
public class NumberReverse {
     public static void main(String args[]){

          Scanner s = new Scanner(System.in);
          System.out.println("Type an integer: ");
          int num = s.nextInt();

     }
}
``` |

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Skill 11.2 Exercise 1

Indicate the output

```
int j = 25;
do{

    System.out.println("Temp var = "+j);
    j++;

}while(j <=30 || j>=25);
```

```
int i = 5, j = 0;
do{

    for(j = 0; j < i; j++){
        System.out.print("*");
    }
    System.out.println();
    i--;

}while(i > 0);
```

Skill 11.3 Exercise 1

The program below simulates a user rolling two 6-sided dice. If the sides are the same, the program indicates "match!". Your program should prompt the user to continue to play until the user chooses to stop.

```
public class DiceMatch {
    public static void main(String args[]){

        Scanner s = new Scanner(System.in);

    }
}
```

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