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

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```
int m;

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

}
```

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

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

}
```

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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();

















    }
}
```

Name _____ Period _____

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
Write a program that prompts the user for a word. The word should be between 3 and 12 letters long. If the word does not meet these requirements, the program should continue to prompt the user for a word.
``public class wordInput {
    public static void main(String args[]){

        Scanner s = new Scanner(System.in);

    }
}``` |