Exam Set 11E
AP Computer Science A

Name _____ Period_____

1. Write the following for-loops as while loops

(a)

```
int y;

for(y = 5; y < 10; y+=2)
{

    System.out.println(y);
}
```

(b)

```
for(int z = 10; z > 0; z--){

    System.out.println(z);

}
```

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2. What is the output for each code segment below,

(a)

```
int m = 0;
int j = 0;

do{
j *= -1;
   if(j >= 0){
         m += 2;
   }
j+=2;

}while(m < 4);

System.out.println(j);
```

(b)

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

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

}while(i > 0);
```

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3. The `Decrypt` class below accepts a number from the user and then converts the number to its character representation. Each pair of numbers in the provided number represent the ascii equivalent of a character and therefore can be used to identify the corresponding symbol.

In the example below, each pair of numbers in `num` map to a different symbol as shown,

num	**pairs**					**ascii equivalents of pairs**				
8773846772	87	73	84	67	72	W	I	T	C	H

Write the `Decrypt` class below. The final string of characters should be stored in `String` called `result`,

```
Public class Decrypt{

     public static void main(String args[]){

           int num = Integer.parseInt(args[0]);









      }
}
```

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