Name _____

<div align="center">

Homework

</div>

Here is some pseudocode to solve several different problems. The purpose of this assignment is to determine that you understand the flow of logic. You will be determining what is printed in the output statement at the end of each. Give the flowchart for each question. There are no (intentional) errors in the pseudocode.

Question #1

```
{
        int x = 25;
        string yes = "HELLO";
        string no = "GOODBYE";

        if ( x != 10 ) then
          print yes;
        else
          print no;
}
```

Output _____

Question #2
```
{
        float total = 50;
        int i;

        for (i=10; i >=1; i--)
        {
                total = total / 2;
                i = i -1;
        }
        print total;
}
```
Output _____

Question #3

```
{
        float price = 126.95;
        float salesTax = 1.08;
        float stateTax = 1.03;
        float total = 0;
        int i;

        for (i=1; i<=5; i++)
        {
                if ( i <= 2 )
                   total = total + (price * salesTax);
                else
                   total = total + (price * stateTax);

        }

        print total;
}
```

Output _____

Question #4 BONUS (Flowchart ONLY)

```
{
        int result = 1;
        int count = 0;

        while ( count <= 10 )
        {
                result = result * count;
                count = count +2;
        }

        print result;
        print count;
}
```