Problem 2

Gas Bill

My recent gas bill came to $45.84. It informed me that I had used 75.7 m^3 of gas. It then broke down my bill in the following manner:

```
Gas                              @ 27.5635 ¢/m³   = 20.87
Transportation to Gas Company    @  4.5293 ¢/m³   =  3.43
Storage                          @  0.8811 ¢/m³   =  0.67
Delivery to You                  @ 10.3994 ¢/m³   =  7.87
Monthly Charge                                    = 10.00

Total                                             = 42.84
Goods And Services Tax (7%)                        =  3.00

Amount Now Due                                    = 45.84
```

Your job is to write a program that will calculate the Amount Now Due for any gas bill given the amount of gas used. It seems that the gas company rounds up, if applicable, each of the items (Gas, Transportation, Storage, Delivery and GST).

The input file (DATA2) will contain five lines of data. Each line will contain one real value, A, representing the amount of gas used in m^3. $0 <= A <= 1000$.

The output file (OUT2) will contain five lines of data, corresponding to the input file. Each line will contain the Amount Now Due in dollars and cents.

Sample Input (Only three lines given)

```
75.7
50
500.1
```

Sample Output

```
45.84
33.90
242.80
```