Quiz 2

Problem Solving in C (CSCE 105, Summer 2006)

 $URL: \hspace{0.1cm} \texttt{http://www.cse.unl.edu/} \sim \hspace{-0.1cm} \texttt{cstrope/csce105su06/}$

(20 points)

14th July, 2006

Name :

Course No : CSCE105

1. (5 points)

In the following table, specify which of the identifiers are (a) C reserved words, (b) standard identifiers, (c) conventionally used as constant macro names, (d) other valid identifiers, and (e) invalid identifiers:

Identifier	(a, b, c, d, or e)
void	
MAX_LEN	
part#2	
my_name	
return	
#insert	
time	
printf	
Int	
sqrt	

2. (5 points)

Given the constants and the variable declarations

```
#define PI 3.14
#define MAX_I 1000
...
double x, y;
int a, b, i;
```

indicate which of the following statements are valid, and find the value stored by each valid statement. Also indicate which are invalid and why. Assume that a is 3, b is 4, and y is -1.0.

3. (10	points)

A retail store would like to install a system that allows shoppers to check the cost of an item after taxes have been added. Below, write a complete program that will prompt the user to enter the cost of the item, scan the cost in, calculate the cost after tax using the equation

$$Price = Cost \times 0.065$$
,

and output the cost of the item to the user.

Answer Box:	