Tutorial 4

Please write all answers on a foolscap paper.

Question 1

What will the following program print on the screen?

```
#include <iostream>
using namespace std;
int main()
{
int freeze = 32, boil = 212;
freeze = 0;
boil = 100;
cout << freeze << endl << boil << endl;
return 0;
}
```

Question 2

Write an if statement that assigns 100 to x when y is equal to 0.

Question 3

Convert the following IF/Else if statement into a switch statement.

```
if (choice == 1)
{
cout << fixed << showpoint << setprecision(2);
}
else if (choice == 2 || choice == 3)
{
cout << fixed << showpoint << setprecision(4);
}
else if (choice == 4)
{
cout << fixed << showpoint << setprecision(6);
}
else
{
cout << fixed << showpoint << setprecision(8);
}
```

Question 4

Convert the code below to a FOR loop

```
int count = 0;
while (count < 50)
{
```

```
cout << "count is " << count << endl;
count++;
}
```

Question 5

Look at the following array definition.
int numbers[] = { 2, 4, 6, 8, 10 };
What will the following statement display?
cout << *(numbers + 3) << endl;

Question 6

Look at the following code.
double value = 29.7;
double *ptr = &value;
Write a cout statement that uses the ptr variable to display the contents of the value variable.