

Complete the following program by supplying the **mysqrt** function, which has been omitted.

Use the algorithm previously given to you in class, with a cutoff of 0.001. (You will not need to input the value of X within your function, as it will be passed to the function as a parameter. Neither will you need to output the value of the square root within your function. You simply return it and the **main** function takes care of all output.

```
#include <iostream>
#include <iomanip>
//#include <cmath> - no longer required
using namespace std;

// missing function goes here

void main()
{
    double cnt;

    cout.setf(ios::fixed);
    cout.precision(5);

    for (cnt = 1; cnt <= 16; cnt++)
    {
        cout << setw(10) << cnt;
        cout << setw(10) << sqrt(cnt);
        cout << setw(10) << mysqrt(cnt);
        cout << endl;
    }

    system("pause");
}
```

Turn in via EASEL.

