3B Triangle Solution

#include size 10

int _tmain(int argc, _TCHAR* argv[])
{
    double base, height;
    int numRows, temp;
    int numTiles; numTiles = 0;
    cout << "Enter base of triangle: ";
    cin >> base;
    height = .866 * base;

    numRows = (int) height/size;

    while (height > 0)
    {
        // for each row, calculate the number of whole tiles and
        // the number of partial tiles
        temp = (int) base/size;
        numTiles = numTiles + temp;
        if ( (base - temp*size) > 0) numTiles++;
        // if ( (height - left/size*size) > .5*size) numTiles++;
        height = height - size;
        base = height/.866;
        cout << "\n " << numTiles<< " " << height << " " << base;
    }
    //if (height > 0) numTiles++;
    cout << "\nNumber of Tiles is " << numTiles;

    //cout << "\nEnter base of triangle: ";
    //cin >> base;
    //cout << "\nEnter estimated mileage of new car: ";
    //cin >> newmileage;

    //estsavings = yearlymiles * gasprice / (newmileage - 10.0);
    //cout << "\nEstimated savings: " << estsavings;
    return 0;
}