#define \_USE\_MATH\_DEFINES

#include <iostream>

#include <cmath>

#include <iomanip>

using namespace std;

int main() {

//Declare Variables

double radius = 0, area;

//Give user instructions

cout << "This program will help you attain the area of any circle as long as you know the radius(r).\n"

<< "The area of a cirlcle is given by the formular pi\*r\*r.\n"

<<"The word units will be used as a place holder for the units of measurement being used\n\n";

//Ask user for input

cout << "Please input the radius of the circle:";

cin >> radius;

cout << "\n";

//Calculate area

area = M\_PI \* radius \* radius;

//Show area

cout << "The area of your circle is " << area << " sqaure units.\n\n";

}