// Michael Haley

// Lab 2C

// This program will display the circumference and area of a circle of radius 5.4

#include <iostream>

using namespace std;

const double PI = 3.14; //initializes the constant double variable PI to 3.14

const double RADIUS = 5.4; //initializes the constant double variable RADIUS to 5.4

int main()

{

double area; //creates the double variable area

double circumference; //creates the double variable circumference

circumference = 2 \* PI \* RADIUS; //calculates circumference

area = PI \* RADIUS \* RADIUS; //calculates area

cout << "The circumference of a circle with radius " << RADIUS << " is " << circumference << endl; // output line 1

cout << "The area of a circle with radius " << RADIUS << " is " << area << endl; // output line 2

return 0;

}

