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HW 3: (Submit through WorldClassroom)

Write a C++ program segment that takes one user input (radius of a circle) and find the circumference and the area of the circle and output the results. Your code should contain separate statements for variable definition, input, processing, and output.

1. Const float PI = 3.14;
2. float radius,
3.   area,
4.   circum;
5. Cout << "Find the circumference and the area of any circle" << endl;
6. Cout << "Input the radius(1/2 of diameter) of a circle: ";
7.
8. Cin >> radius
9. Circum = 2 * PI * radius;
10. area = PI * (radius * radius);
11.
12. Cout << "The area of the circle is: " << area << endl;
13. Cout << "The circumference of the circle is: " << circum << endl;
14.
15.
16.
17.
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23.
24.