import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

float pi = 3.14f;

double r;

Scanner sr = new Scanner(System.in);

r = sr.nextDouble();

System.out.printf("%.1f\n", pi\*r\*r);

}

}