Java Switch Case statement

Today your task is simple. You have to calculate area of circle and rectangle depending upon user's choice.

Input:
First line of the input contains an integer T which denotes the number of test cases. Then T test cases follow. Each test case contains two lines. First line contain 1 for circle or 2 for rectangle.Second line contains integers R(radius) or L(length) and B(Breadth)(space separated).

Output:
For each test case, print area of circle or rectangle.

Constraints:
1 <= T< = 10
1<=R<=100
1<=L<= 100
1<=B<= 100

Note: Use Math.PI for pi value.
Example:
Input:
2
1
5
2
5 10

Output:
78.53981633974483
50