**Luas lingkaran**

**Nama Pembuat Testcase:** Sherly

**Sample Input 1 (Standard Input):**

1

7

**Sample Output 1 (Standard Output):**

Case #1: 153.86

**Sample Input 2 (Standard Input):**

2

5

10

**Sample Output 2 (Standard Output):**

Case #1: 78.50

Case #2: 314.00

**Sample Input (3):**

2

12

14

**Sample Output (3):**

Case #1: 452.16

Case #2: 615.44

**Sample Input (4):**

4

13

22

37

49

**Sample Output (4):**

Case #1: 530.66

Case #2: 1519.76

Case #3: 4298.66

Case #4: 7539.14

**Sample Input (5):**

4

33

45

57

69

**Sample Output (5):**

Case #1: 3419.46

Case #2: 6358.50

Case #3: 10201.86

Case #4: 14949.54

**Sample Input (6):**

5

23

42

56

87

94

**Sample Output (6):**

Case #1: 1661.06

Case #2: 5538.96

Case #3: 9847.04

Case #4: 23766.66

Case #5: 27745.04

**Sample Input (7):**

5

74

87

37

48

63

**Sample Output (7):**

Case #1: 17194.64

Case #2: 23766.66

Case #3: 4298.66

Case #4: 7234.56

Case #5: 12462.66

**Sample Input (8):**

7

36

64

76

78

88

93

29

**Sample Output (8):**

Case #1: 4069.44

Case #2: 12861.44

Case #3: 18136.64

Case #4: 19103.76

Case #5: 24316.16

Case #6: 27157.86

Case #7: 2640.74

**Sample Input (9):**

9

97

86

79

26

39

71

48

62

55

**Sample Output (9):**

Case #1: 29544.26

Case #2: 23223.44

Case #3: 19596.74

Case #4: 2122.64

Case #5: 4775.94

Case #6: 15828.74

Case #7: 7234.56

Case #8: 12070.16

Case #9: 9498.50

**Sample Input (10):**

10

21

26

35

41

54

68

77

81

93

96

**Sample Output (10):**

Case #1: 1384.74

Case #2: 2122.64

Case #3: 3846.50

Case #4: 5278.34

Case #5: 9156.24

Case #6: 14519.36

Case #7: 18617.06

Case #8: 20601.54

Case #9: 27157.86

Case #10: 28938.24