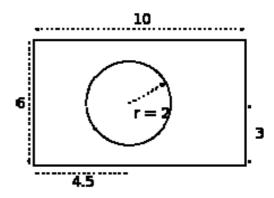
The national flag of Bangladesh is bottle green in color and rectangular in size with the **length** (L) to **width** ratio of 10:6. It bears a red circle on the background of green. It maintains the **length** (L) to **radius** ratio of 5:1 (If the **length** is 10 then **width** should be 6 and **radius** should be 2). The color in the background represents the greenery of Bangladesh while the red circle symbolizes the rising sun and the sacrifice of lives in our freedom fight.





## Input

First line of input will contain the number of test cases,  $T \leq 100$ . Then there follows T lines, each containing a positive integer  $L \leq 1000$ , representing length of the flag.

## Output

For each test case output is a line with two space separated real numbers containing exactly two digits after decimal point. Two numbers represent the area of red and green portion respectively.

**Note:** Pi is considered to be arccos(-1).

## Sample Input

1 10

## **Sample Output**

12.57 47.43