Assignment No. 3

GRN:
Name of the Student:
Roll No.:
Class:
Division:
Batch:

Problem Statement

Calculate area of triangle, square & circle using function overloading. Function parameter accept from user. Create Base Class **Shape** and Derived Classes **Triangle, Square, Circle** respectively. Implement **getInputs()** Method for accepting inputs, and Overload **setArea()** method for calculating area of respective shapes.

Use Class **Tester** for creating objects.

Sample Input and Output

Sample Input/Parameter for Triangle	**Values**	**Expected Output**
Height (H)	50	2500
Base (B)	100	

Sample Input/Parameter for Circle	**Values**	**Expected Output**
π (Pie)	3.14	7853.98
Radius (R)	50	

Sample Input/Parameter for Square	**Values**	**Expected Output**
Side (S)	15	225

Add your code here

Expected Output: