

Worksheet

Name:

Roll No: Class: Section:

Date:

MATHEMATICAL LIBRARY METHODS

Chapter-7

1. Write programs for the following.

Write a program to input a number and evaluate the results based on the number entered by the user:

- Natural logarithm of the number
- Absolute value of the number
- Square root of the number
- Cube of the number
- Random numbers between 0 (zero) and 1 (one).

2. Write the syntax and description of the following.

Function name	Syntax	Description
Math.min		
Math.sqrt		
Math.pow		
Math.floor		
Math.random		
Math.log		
Math.ceil		

3. Answer the following questions.

- Write down Java expression for:
 - $T = \sqrt{A^2 + B^2 + C^2}$.
 - $\sqrt{2as + u^2}$.
- What will the following function return when executed?
 - Math.max (-17, -19)
 - Math.ceil (7.8)
- Write three trigonometry function names and give examples for each function.