

Worksheet

2

Name:

Roll No: Class: Section:

Date:

MATHEMATICAL LIBRARY METHODS

Chapter-7

1. Predict the return data type of the following functions.

- (a) `Math.sqrt()`;
- (b) `Math rint()`;
- (c) `Math.ceil()`;
- (d) `Math.floor()`;
- (e) `Math.round()`;

2. Predict the output

- (a) `System.out.println(Math.sqrt(10.24));`
- (b) `System.out.println(Math.rint(-99.4));`
- (c) `System.out.println(Math.min(-25.5, -12.5));`
- (d) `System.out.println(Math.ceil(-0.95));`

3. Fill in the blank with appropriate words.

- (a) `Math.min()` used to find the number among two arguments.
- (b) is used to find the square root of the argument.
- (c) `Math.random()` generates a random number between 0 and 1.
- (d) There are different trigonometric functions that are used in java.
- (e) There are two types of methods in
- (f) `Math.exp()` returns the value of the passed argument.
- (g) Library/system methods are defined already in
- (h) Methods are generally used to solve problems.
- (i) returns the exponent: e^{value} ;
- (j) The output of `Math.ceil` is of type.