

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

## Oral Test

1. Define an identity.

Sol. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. What is the maximum possible value for sine of any angle?

Sol. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Can the value of secant of an angle be less than 1?

Sol. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. What is  $\tan(90^\circ - A)$  equal to?

Sol. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. What do we call the side opposite to the right angle in a right triangle?

Sol. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. If we increase the lengths of the sides of a right triangle keeping the angle between them same, then the values of the trigonometric ratios will also increase. State True or False.

Sol. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_