

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Multiple Choice Questions

Tick the correct answer for each of the following:

1. The reciprocal of the ratio $\cos \theta$ is
(a) $\sin \theta$ (b) $\operatorname{cosec} \theta$ (c) $\tan \theta$ (d) $\sec \theta$

Sol. _____

2. Which of the following is not a trigonometric identity?
(a) $\cos^2 \theta + \sin^2 \theta = 1$ (b) $\cos^2 \theta + 1 = \tan^2 \theta$
(c) $\cot^2 \theta + 1 = \operatorname{cosec}^2 \theta$ (d) $\tan^2 \theta + 1 = \sec^2 \theta$

Sol. _____

3. The value of tangent of 90° is
(a) 0 (b) 1
(c) $\sqrt{3}$ (d) not defined

Sol. _____

4. If $\sin A = \frac{5}{13}$, then the value of $\tan A$ is
(a) $\frac{5}{12}$ (b) $\frac{12}{13}$
(c) $\frac{13}{12}$ (d) $\frac{12}{5}$

Sol. _____

