

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Match the Columns

1. Simplify and match the expressions in column I with their values in column II by writing the correct letter in square box.

	Column I		Column II
(i)	$\sin^2 37^\circ + \sin^2 53^\circ + \sin^2 90^\circ$	(a)	0
(ii)	$\tan 35^\circ \tan 45^\circ \tan 55^\circ$	(b)	3
(iii)	$\frac{\sec 72^\circ \sin 18^\circ + \tan 72^\circ \cot 18^\circ}{\cos 60^\circ}$	(c)	1
(iv)	$\frac{\tan 60^\circ}{\tan 30^\circ}$	(d)	2
(v)	$\sin^2 30 + \cos^2 30 - \sin^2 60 - \cos^2 60$	(e)	4

(i) →

(ii) →

(iii) →

(iv) →

(v) →

(vi) →