

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Match the Columns

1. Match the following columns by placing the correct letter in square box.

Column I	Column II
(i) Degree of the zero polynomial is	(a) -3
(ii) Zero of zero polynomial is	(b) 3
(iii) Coefficient of y^2 in the expression $(y - 1)^3$ is	(c) not defined
(iv) If $x^2 + 4$ is divided by $x + 1$, the remainder is	(d) any real number

- (i) \longrightarrow
- (ii) \longrightarrow
- (iii) \longrightarrow
- (iv) \longrightarrow

2. Match the following columns by placing the correct letter in square box.

Column I	Column II
(i) If $x - 1$ is a factor of $Rx^2 - 3x + k$, then the value of R is	(a) 3
(ii) The value of the polynomial $3x^2 - 1$, when $x = \frac{2}{\sqrt{3}}$ is	(b) $-\frac{3}{2}$
(iii) If $x^3 + 3x^2 + 3x + 1$ is divided by $x + 1$, the remainder is	(c) 2
(iv) $\frac{2^{\frac{4}{3}}}{2^{\frac{1}{3}}}$ is equal to	(d) 0

- (i) \longrightarrow
- (ii) \longrightarrow
- (iii) \longrightarrow
- (iv) \longrightarrow