

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Write the correct answer for each of the following:

- i. If one of the zeroes of the quadratic polynomial $(k-1)x^2 + kx + 1$ then the value of k is

(a) $\frac{4}{3}$

(b) $-\frac{4}{3}$

(c) $\frac{2}{3}$

(d) $-\frac{2}{3}$

Sol.

- ii. A quadratic polynomial, whose zeroes are 4 and -6, is

(a) $x^2 - 2x - 24$

(b) $x^2 - 4x + 6$

(c) $x^2 + 2x - 24$

(d) $x^2 - 2x + 24$

Sol.

- iii. Given that two of the zeroes of the cubic polynomial $ax^3 + bx^2 + cx + d$ are 0, the third zero is

(a) $-\frac{b}{a}$

(b) $\frac{b}{a}$

(c) $\frac{c}{a}$

(d) $-\frac{d}{a}$

Sol.
