

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Vocabulary Quiz

Directions: Match the vocabulary words on the left with the definitions on the right by shading the circles given at the bottom.

<p>(i) Polynomial</p> <p>(ii) Monomial</p> <p>(iii) Binomial</p> <p>(iv) Trinomial</p> <p>(v) Degree</p> <p>(vi) Constant polynomial</p> <p>(vii) Linear polynomial</p> <p>(viii) Quadratic polynomial</p> <p>(ix) Cubic polynomial</p> <p>(x) Remainder theorem</p> <p>(xi) Zero of polynomial p(x)</p> <p>(xii) Factor theorem</p>	<p>(a) $(x - a)$ is a factor of the polynomial $p(x)$, if $p(a) = 0$, conversely $p(a) = 0$ if $(x - a)$ is a factor of $p(x)$.</p> <p>(b) a polynomial of degree zero.</p> <p>(c) a polynomial of degree two.</p> <p>(d) a polynomial of three terms.</p> <p>(e) an algebraic expression in x of the form $p(x) = a_n x^n + a_{n-1} x^{n-1} + \dots + a_2 x^2 + a_1 x + a_0$, where $a_0, a_1, a_2, \dots, a_n$ where are constants and $a_n \neq 0$ and n is a positive integer.</p> <p>(f) a polynomial of one terms.</p> <p>(g) a highest power of variable x in a polynomial $p(x)$.</p> <p>(h) a polynomial of two terms.</p> <p>(i) a polynomial of degree three.</p> <p>(j) a real number a such that $p(a) = 0$.</p> <p>(k) a polynomial of degree one.</p> <p>(l) let $p(x)$ be a polynomial of degree greater than or equal to one and a be any real number. If $p(x)$ is divided by $(x - a)$, then the remainder is equal to $p(a)$.</p>
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