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Number System and Polynomials Crossword Puzzle

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| **Across****5.** F(x) = √3 is a \_\_\_\_\_\_ polynomial**8.** Zeroes of a polynomial can be determined by**9.** Zeroes of p(X)= x^2 -4 are**10.** π is**13.** If p(-1)= 0, then x +1 is a \_\_\_\_\_ of p(x)**14.** Remainder when p(x) = x(x-3)(x-5) is divided by g(x) = (x -2) is**16.** Polynomial with three terms**20.** Decimal expansion of irrational number**22.** (x-1) is a factor of n-degree polynomial if sum of coefficients is**23.** For an n degree polynomial, coefficient of x^n cannot be | **Down****1.** Graph of a cubic polynomial in x cuts the x-axis at \_\_\_\_ points**2.** Conversion of surd to rational number**3.** Graph of a quadratic polynomial**4.** Degree-4 polynomial**6.** Number of zeroes of a biquadratic polynomial**7.** Every point on the number line**11.** Number of rational numbers between 2 rational numbers**12.** Exponent of term with highest power**15.** Nth root of a number**17.** (1+3x) is a**18.** Degree of the remainder is always \_\_\_\_ than degree of divisor**19.** Positive integers with only one common factor**21.** Zeroes of a constant polynomial |