**Aarambh classes**

**Class X(CBSE )**

**Maths test**

**Real numbers and Polynomials**

**Time : 1 hour M.Marks: 30**

1. Find the zeroes of the quadratic polynomial 6x2 -3-7x and verify the relationship between the zeroes and the coefficients.
2. Find the zeroes of the quadratic polynomial x2-5 and verify the relation between the zeroes and the coefficients.
3. Find the zeroes of the polynomial f(x) = 2x2 +5x-12 and verify the relation between its zeros and coefficients.
4. If one zero of the polynomial p(x) =x3-6x2+11x-6 is 3 ,find the other two zeroes.
5. Find the quadratic polynomial whose zeroes are .verify the relation between the coefficients and the zeroes of the polynomial.
6. Find the quadratic polynomial ,the sum of whose zeroes is and their product is 1.Hence ,find the zeroes of the polynomial .
7. If two zeroes of the polynomial p(x) =2x4 -3x3-3x2+6x-2 are and - ,find its other two zeros.
8. Express 0.365 as a fraction in simplest form.
9. Prove that + is irrational.
10. Find the largest number which divides 248 and 1032 leaving remainder 8 in each case .