**Aarambh classes**

**Class VIII(CBSE)**

**Maths test**

**ALGEBRAIC IDENTITIES AND FACTORISATION**

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

1. **Simplify and find the value :**

5x (3x-9)+10 ,for x= -1

1. Simplify : 4a(2a2 -6a)-3a3 (5a2 -4a+3) -a(a+2)
2. Simplify : (2x+3)(x-2) –(5x+3)(x-2)
3. Using identity ,find : (i) 89 x111 (ii) 95x102 (iii)1032
4. Find the value of x if 6x =292 -232
5. If (x + ) = 5 ,find x2 + .



1. Simplify : (3a+4b)2 +(3a-4b)2
2. Factorise : (i) 9x2 -49

(ii) x2 +4x+4

(iii) x4 -81

(iv)9a2 -c2+4cx -4x2

(v) x2 + 11x +30

(vi) x2 -2x -15

(vii)a2 -24 a -81