**Assignment**

**Class 9**

**Ch. 1(Number System)**

1. Find the value of a and b in the following
2. $\frac{3+√7}{3-√7}$ = a + b$√7$
3. $\frac{\sqrt{11}-√7}{\sqrt{11}+√7}$ = a - b$√77$
4. Examine whether the following numbers are rational or irrational
5. ($\sqrt{2}+√3$)2
6. (2-$√2$)(2 +$√2$)
7. Simplify the following
8. $(\frac{25}{9}$)-3/2
9. 3a7 b6/18a2 b8
10. (-2a2/b3)3
11. If $\frac{5-√3}{2+√3}$ = x + y$\sqrt{3}$ , then find the values of x and y.
12. The value of 0.23 + 0.22 is-------
13. Evaluate: (1/2)5\*(-2/5)4\*(3/5)-1
14. If a = 2 and b = 3 then find the values of each of the following

 a) aa + bb

 b) (1/a + 1/b)a

 c) (1/a – 1/b)b