Sacred Grove School

2nd Home work

TUESDAY

APRIL

Class-IX Sub : Maths

* Do in H.W. copy.

1) Represent on number line.

i) -2.4, ii) 1.3, iii) $\frac{-23}{6}$

2) Represent on number line:

i) $\sqrt{2}$, ii) $\sqrt{5}$

3. Express the following as decimals

i) $\frac{-22}{13}$ ii) $\frac{437}{999}$

4. Express in form p/q.

i) 8.0028 ii) -25.62

5. Write in decimal form & say what kind of decimal expension.

i) $4\frac{1}{8}$, ii) $\frac{36}{100}$ iii) $\frac{1}{8}$

APR 2001

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

6. Find three rational number between -2 & 5.

Cont.

Class: IX, 2nd Home Work Sub: Maths

APRIL 18 WEDNESDAY

7. Solve : $\frac{2+\sqrt{3}}{2-\sqrt{3}} - \frac{2-\sqrt{3}}{2+\sqrt{3}}$

8. ~~Rationalisation~~ Rationalize the following:

i) $\frac{1}{5\sqrt{3}-4\sqrt{2}}$ ii) $\frac{5}{4\sqrt{2}+3\sqrt{3}}$

9. Find a & b:

i) $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a+b\sqrt{3}$

10. If $x = 5+\sqrt{2}$ find $x^2+\frac{1}{x^2}$

11. Rationalize : $\frac{1}{\sqrt{7}+\sqrt{6}-\sqrt{13}}$

12. If $x = \frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$ & $y = \frac{\sqrt{5}+\sqrt{2}}{\sqrt{5}-\sqrt{2}}$ find

x^2+y^2

— X —

MAY 2001

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		