## CBSE TEST PAPER-03

CLASS - IX MATHEMATICS (Number System)

1) Define a rational number with example.
2) Find a rational number between - $1 / 4$ and $-1 / 3$
3) Is every integer is a rational number? Give reason.
4) Express $0 . \overline{53}$ as a vulgar fraction.
5) $\quad$ 5. Simplify $(9 / 25)^{-3 / 2}$
6) Write an irrational number between 2 and 3
7) Rationalize the denominator $\frac{1}{\sqrt{3}+\sqrt{7}}$
8) Prove with help of two examples product of a rational and irrational number may be rational or irrational.
9) Rationalize the denominator
10) Represent 0.93 in rational form.
11) Represent $1 . \overline{23}$ on number line by successive magnification
12) Represent 0.93 on number line
13) 
14) 
15) If $x=\frac{1}{2-1 / 3}$, prove that $x^{3}-2 x^{2}-7 x+5=3$
