SARASWATI BAL MANDIR PASCHIM VIHAR

ASSIGNMENT

SUBJECT: MATHEMATICS

CLASS : IX

SESSION:2024-25

Q1) Express following rational numbers in the p/q form where p and q are integers and q not equal to zero

i)0.4323232….

Q2) Simplify

i) (3√2-6)(5√3+√7)

ii)(8-6√3)2

Q3) Find six rational numbers between 2/7and 4/9.

Q4). Represent √3 on number line.

Q5) F find three rational numbers between 1/7 and 7/8.

Q6) Classify the numbers as rational and irrational :

i) √29 ii) √121 iii) 2.343443444... iv) 2.5676767...

Q7) a) Add 2√3–6√7 and –√3–5√7

b) Multiply 7√9 by 3√6

c) Divide 4√21 by -6√7

Q8) Rationalise the denominators of

i) 1/(√3-5)

ii) -5/(4-√2)

Q9) Simplify a) 22/3.(23/6)2

b) 71/3÷75/6

Q10) Represent √8.6 on the number line.