Assignment for Class 8th **Subject: Mathematics.**

Q1: The product of two rational numbers is (- 15/7) .If one of them is (-10/21), then find the number?

Q2: Write five rational numbers between 25/10 & 27/10?

Q3: A train is at a uniform speed covers a distance of 350Km in 3 ½ hours. Find the speed of the train & the distance covered by the train in 5Hrs?

Q4: Naina had 11 ¼ long ribbon. She cuts it into 9 equal pieces. Find the length of each piece?

Q5: Find the value of x:

a) (4/5)3 ÷ (4/5) -3= (4/5)3x

b) (4/15) 3  × (4/15)-6 = (4/15)2x+1

Q6: Find the squares of the following numbers using the column method:

a) 99 b) 89

Q7: Find the square root of 0.9 correct up to three decimal places. (Using long division method)?

Q8: Find the cube root of the following numbers by finding their ones & tens digit:

A) 300763 b) 636056

Q9: Divide by long division method:

1. 12x3 - 20x2 - 9x + 15 by (3x-5)
2. 6y5 + 4y4 - 3y3 - 1 by (3y2-y+1)

Q10:Factorize the following expressions:

a) 16x4 - (z-x) 4  b) x8 - y8 + x4  - y4