



# SACRED HEART SCHOOL

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ASSIGNMENT (2020– 2021)

Class - X

Subject – MATHEMATICS

Assignment questions based upon online class

## Maths homework (X)

1. Verify that the numbers given alongside of the cubic polynomials below are their zeroes. Also verify the relationship between the zeroes and the coefficients in each case:

(i)  $2x^3 + x^2 - 5x + 2$ ;  $\frac{1}{2}, 1, -2$

(ii)  $x^3 - 4x^2 + 5x - 2$ ; 2, 1, 1

2. Find a cubic polynomial with the sum, sum of the product of its zeroes taken two at a time, and the product of its zeroes as 2, -7, -14 respectively.