Maths (New Book) - 10th Class Mathematics English Medium Chapter 2 Preparation

Q1. If the value of k is -2 and -1, then what is the nature of the roots ?

Ans 1: If the value of k is -2 and -1, then the roots will be equal.

Q2. How can we find the sum of the roots of a quadratic equation ?

Ans 1:

Q3. Find the sum of the roots of equation $3x^2-5x+7=0$

Ans 1:

Q4. What is the discriminant of $2x^2 - x + 1 = 0$?

Ans 1:

Q5. Prove that the sum of all cube roots of unity is zero.

Ans 1:

Q6. Find the value of x, by using quadratic formula ? $x^2 - 5x + 5 = 0$

Ans 1:

Q7. If a = 1, b = 8 and c = 16, then find $b^2 - 4ac$?

Ans 1:

Q8. Define synthetic division.

Ans 1: Synthetic division is the process of finding the quotient and remainder, when a polynomial is divided by a linear polynomial.

Q9. On which value, the nature of roots depends ?

Ans 1:

Q10. Solve the equation $2x^2 - x + 1 = 0$ by using quadratic formula.

Ans 1:
