Maths - 10th Class Mathematics English Medium Chapter 2 Preparation

Q1. Prove that the product of three cube roots of unity is 1.

> **Ans 1:**

Q2. If a = 1, b = 8 and c = 16, then find b^2 - 4ac ?

> **Ans 1:**

Q3. Solve the equation $2x^2$- x + 1 = 0 by using quadratic formula.

> **Ans 1:**

Q4. Find roots of the equation by a depressed equation x^2 + 4x - 21 = 0

> **Ans 1:**

Q5. What are the co-efficients in a quadratic equation ?

> **Ans 1:** In a quadratic equation ax^2+bx+c=0, the co-efficients are a and b are of x^2 and x respectively.

Q6. How can we find the sum of the roots of a quadratic equation ?

> **Ans 1:**

Q7. Find the discriminant of x^2 - 3x + 3 = 0

> **Ans 1:**

Q8. How can we find the product of the roots of a quadratic equation ?

> **Ans 1:**

Q9. If b^2- 4ac = 0, then and what is the nature of the roots.

Ans 1: If $b^2 - 4ac = 0$, then the roots will be rational and equal.

Q10.

Ans 1: