

Maths - 10th Class Mathematics English Medium Chapter 2 Preparation

Q1. What is the discriminant of $2x^2 - x + 1 = 0$?

Ans 1:

Q2. Find the discriminant of $x^2 - 3x + 3 = 0$.

Ans 1:

Q3. What are the complex cube roots of unity ?

Ans 1:

Q4. Define solution set.

Ans 1: The set of all the ordered pair (x, y) which satisfy the system of equation is called the solution set of the system.

Q5. What is the nature of roots $x^2 - 5x + 5 = 0$?

Ans 1: As discriminant of the equation is positive and not a perfect square, therefore the roots are irrational and unequal.

Q6. Find the product of the roots of equation $3x^2 - 5x + 7 = 0$.

Ans 1:

Q7. Find the value of x, by using quadratic formula ? $x^2 - 5x + 5 = 0$

Ans 1:

Q8. Find the product of the roots in equation $x^2 - 5x + p = 0$.

Ans 1:

Q9. Find the discriminant of $x^2 - 3x + 3 = 0$

Ans 1:

Q10. Find the sum of the roots and product of the roots of the equation $x^2 + 4x - 9 = 0$

Ans 1:
