

Maths - 10th Class Mathematics English Medium Chapter 5 Preparation

Q1. Define domain and co-domain of f.

Ans 1:

Q2. Define ordered pair.

Ans 1: Any two numbers x and y, written in the form (x,y) is called an ordered pair.

Q3. What is a set ?

Ans 1: A set is a well-defined collection of distinct objects and it is denoted by capital letters A, B and C etc.

Q4. Find the difference $A - B$ when $A = \{1,2,3,4,5\}$ and $B = \{2,4,5,6,8\}$

Ans 1: $A - B = \{1,2,3,4,5\} - \{2,4,5,6,8\} = \{1,3\}$

Q5. Verify commutative law of union.

Ans 1:

Q6. Describe set of rational and irrational numbers.

Ans 1:

Q7. Define a bijective function.

Ans 1:

Q8. Who introduced venn diagram ?

Ans 1: British Mathematician John Venn (1834 - 1923) introduced rectangle for a universal set U and its subsets A and B as closed figures inside this rectangle.

Q9. Write the set of all integers.

Ans 1:

Q10. Write the set of whole numbers.

Ans 1: Set of whole numbers = $\{0, 1, 2, 3, 4, \dots\}$ It is denoted by W .
