

HOME WORK - SETS

Q.1 Determine whether the given collection is a set or not ? Give reason.

- (a) Collection of all kind of flowers
- (b) Collection of best cricket players in India
- (c) Collection of past president of India
- (d) Collection of time

Q.2 Determine whether the given sets are finite, infinite or empty set.

- (a) Set of odd numbers divisible by 2
- (b) Set of prime factor of 210
- (c) Set of points on a circle

Q.3 Write the following sets in Roster form :

- (a) $A = \{x : x \text{ is an integer and } -7 \leq x < 3\}$
- (b) $B = \{x : x \text{ is divisible by 2 and } x \in \mathbb{Z}\}$

Q.4 Write the following sets in Set - Builder form :

- (a) $\{4, 9, 16, 25\}$
- (b) Set of all Real numbers greater than 3