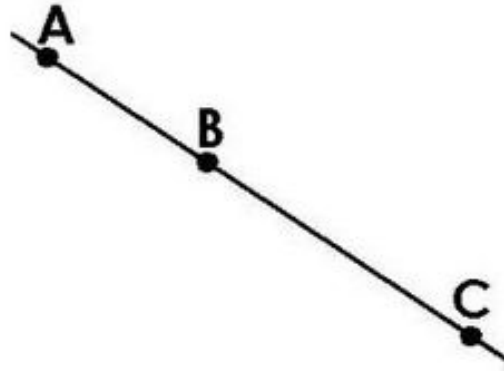




Basic Geometrical Concepts Ex 10.1 Q11

Answer :

Yes, it is possible if the three points lie on a straight line.



Basic Geometrical Concepts Ex 10.1 Q12

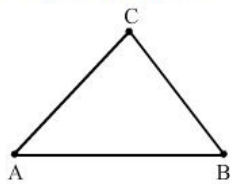
Answer :

The length of a **line** is infinite. Thus, it is not possible to find its mid-point.
On the other hand, we can find the mid-point of a **line segment**.

Basic Geometrical Concepts Ex 10.1 Q13

Answer :

There are three non-collinear points A, B and C.
Three lines can be drawn through these three points. These three lines are AB, BC and AC.



Basic Geometrical Concepts Ex 10.1 Q14

Answer :

(i) Yes

A group of points that lie in the same plane are called coplanar points.
Thus, it is possible that 150 points can be coplanar.

(ii) No

3 points will be coplanar because we can have a plane that can contain all 3 points on it.
Thus, it is not possible that 3 points will be non-coplanar.

Basic Geometrical Concepts Ex 10.1 Q15

Answer :

From the given figure, we can observe that:

- (i) D, A and C are collinear points.
- (ii) A, B and C are non-collinear points.
- (iii) A, B and E are collinear points.
- (iv) B, C and E are non-collinear points.

***** END *****