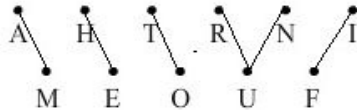




Basic Geometrical Concepts Ex 10.2 Q1

**Answer :**

If we join the points  $AM, HE, TO, RU, UN, IF$ , 6 line segments can be formed.



These six line segments are  $AM, HE, TO, RU, UN$  and  $IF$ .

Basic Geometrical Concepts Ex 10.2 Q2

**Answer :**

(i) Five line segments are  $PQ, RS, PR, QS$  and  $AP$ .

(ii) Five rays are  $\overrightarrow{QC}, \overrightarrow{SD}, \overrightarrow{PA}, \overrightarrow{RB}$  and  $\overrightarrow{RA}$ .

(iii) Non-intersecting line segments are  $PR$  and  $QS$ .

Basic Geometrical Concepts Ex 10.2 Q3

**Answer :**

(i) Yes, we can draw line segments on the face of a cuboid.

(ii) No, we cannot draw a line segment on the surface of an egg or apple.

(iii) Yes, we can draw line segments on the curved surface of a cylinder.

Every line segment parallel to the axis of a cylinder on the curved surface will be a line segment.

(iv) Yes, we can draw line segments on the curved surface of a cone.

Every line segment joining the vertex of a cone and any point on the circumference of the cone will be a line segment.

(v) Yes, we can draw line segments on the base of a cone.

\*\*\*\*\* END \*\*\*\*\*