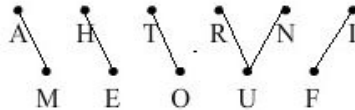Basic Geometrical Concepts Ex 10.2 Q1

Answer :

If we join the points *AM, HE, TO, RUN, 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 *********