Exercise 11A

Q1

Answer:

(i) The line segments are:

$\overline{YX}$

This is because it has two end points Y and X.

$\overline{YZ}$

This is because it has two end points Y an Z.

(ii)

$\overline{AD}$

This is because it has two end points A and D.

$\overline{AB}$

This is because it has two end points A and B.

$\overline{AC}$

This is because it has two end points A and C.

$\overline{AE}$

This is because it has two end points A and E.

$\overline{DB}$

This is because it has two end points B and D.

$\overline{BC}$

This is because it has two end points B and C.

$\overline{CE}$

This is because it has two end points C and E.

(iii)

$\overline{PS}$

This is because it has two end points P and S.

$\overline{PQ}$

This is because it has two end points P and Q.

$\overline{QR}$

This is because it has two end points Q and R.

$\overline{RS}$

This is because it has two end points R and S.

$\overline{PR}$

This is because it has two end points P and R.

$\overline{QS}$

This is because it has two end points Q and S.

Q2

Answer:

(i) Line segment is $\overline{AB}$. *This is because it has two end points A and B.*
Rays are:

$\overrightarrow{AC}$

This is because it has only one end point A.

$\overrightarrow{BD}$

This is because it has only one end point B.

(ii) Line segments are:

$\overline{EP}$

This is because it has two end points E and P.

$\overline{EG}$

This is because it has two end points E and G.

$\overline{GP}$

This is because it has two end points G and P.

Rays are:

$\overrightarrow{EF}$

This is because it has only one end point, i.e. E.

$\overrightarrow{GH}$

This is because it has only one end point, i.e. G.

$\overrightarrow{PQ}$

This is because it has only one end point, i.e. P.

(iii) Line segments are:

$\overline{OL}$

This is because it has two end points O and L.

$\overline{OP}$

This is because it has two end points O and P.

Rays are:

$\overrightarrow{LM}$

This is because it has only one end point, i.e. L.

$\overrightarrow{PQ}$

This is because it has only one end point, i.e. P.

Q3

Answer:

(i)

$\overline{PR}$

This is because it has two end points P and R.

$\overline{QS}$

This is because it has two end points Q and S.

$\overline{PQ}$

This is because it has two end points P and Q.

$\overline{RS}$

This is because it has two end points R and S.

(ii)

$\overrightarrow{PA}$

This is because it has only one end point, i.e. P.

$\overrightarrow{RB}$

This is because it has only one end point, i.e. R.

$\overrightarrow{QC}$

This is because it has only one end point, i.e. Q.

$\overrightarrow{SD}$

This is because it has only one end point, i.e. S.

********** END *********