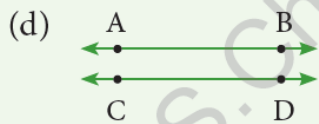
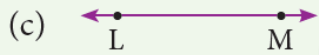
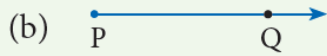


(Do this exercise in your book)



Self Practice 11A

1. Match the figures with their names.

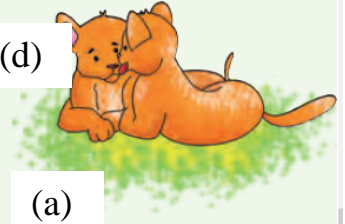


(i) Line (c)

(ii) Parallel lines (d)

(iii) Ray (b)

(iv) Line segment (a)



2. State true (T) or false (F) for the following statements.

(a) A line has a definite length.

F

(b) A ray has one endpoint.

T

(c) A line segment has no endpoints.

F

(d) A plane has fixed boundary.

F

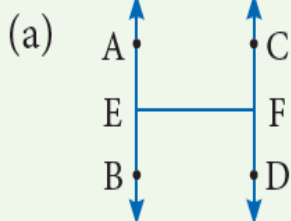
(e) All perpendicular lines are parallel lines.

F

(f) A flagpost is always perpendicular to the ground.

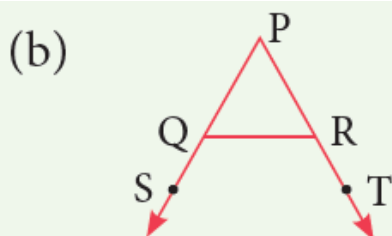
T

3. Name the rays and line segments in the following figures.



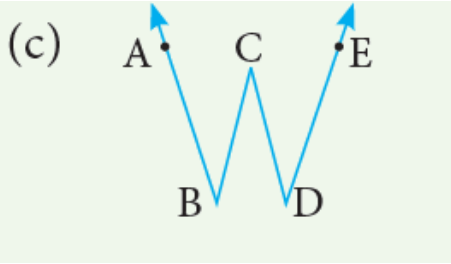
Solution (a) Rays :- \overrightarrow{EA} , \overrightarrow{FC} , \overrightarrow{EB} , \overrightarrow{FD}

Line Segments :- \overline{EF}



Solution (a) Rays :- \overrightarrow{QS} , \overrightarrow{PS} , \overrightarrow{RT} , \overrightarrow{PT}

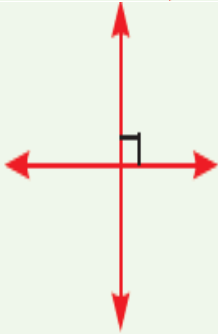
Line Segments :- \overline{QR} , \overline{PQ} , \overline{PR}



Solution (a) Rays :- \overrightarrow{BA} , \overrightarrow{DE}
Line Segments :- \overline{BC} , \overline{CD}

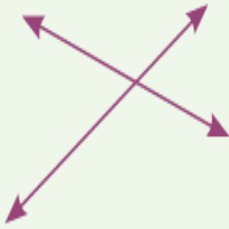
4. Identify each pair of lines as parallel, intersecting or perpendicular.

(a)



**Perpendicular
Lines**

(b)



**Intersecting
Lines**

(c)



**Parallel
Lines**