

MONTH : NOVEMBER

SESSION : 14

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 15

CHAPTER NAME : GEOMETRY

SUB-TOPIC : THE BASIC CONCEPT OF GEOMETRY.

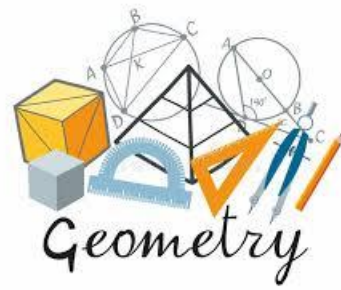
EX-15 A Q. 1 & 2 IN THE BOOK.

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

Enable learners :

➤ **To identify and define points, lines, rays , shapes, and angles.**

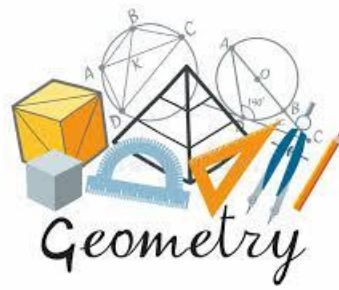


POINT :A point is a figure which doesn't have any definite shape or circumference.

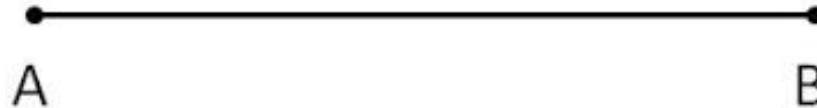
- ❖ No particular shape
- ❖ No length
- ❖ No breadth

LINE: it is a straight one dimensional figure having no thickness extending in both directions.



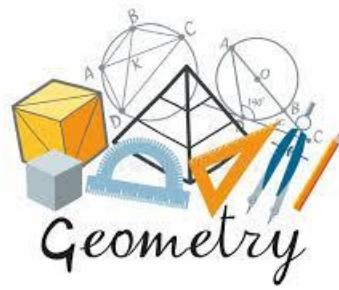


LINE SEGMENT: A part of line that is bounded by two distinct end points.



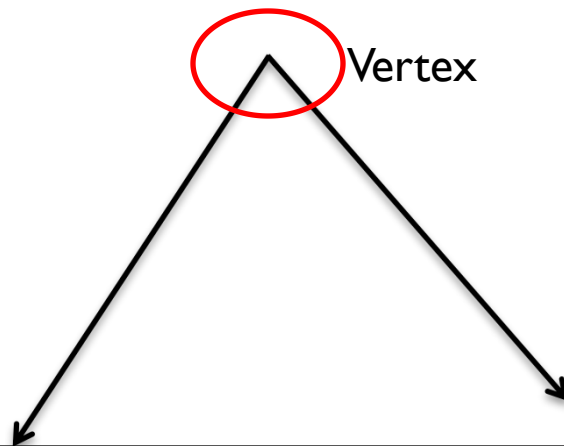
RAY : A part of line which has a definite starting point but no end point.





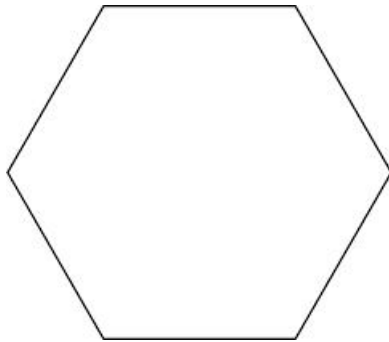
ANGLE:

- ✓ Two rays starting from a common point form an **angle**.
- ✓ The two rays are called the **arms of the angle**.
- ✓ The common starting point is called **vertex**.
- ✓ An angle is denoted by the symbol \angle

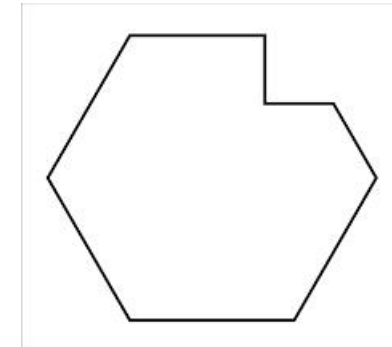


LET'S REVISE

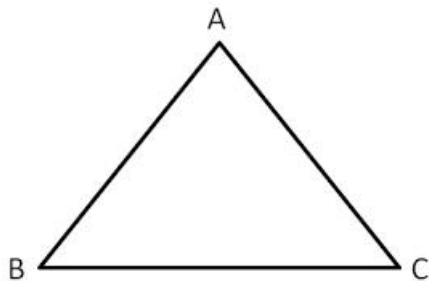
Count how many line segments are there ?



6



8



3



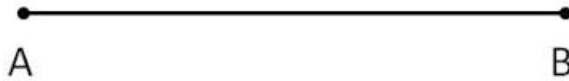
Identify the shapes

1.



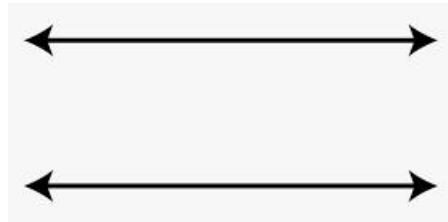
Point

2.



Line segment

3.



Line

4.

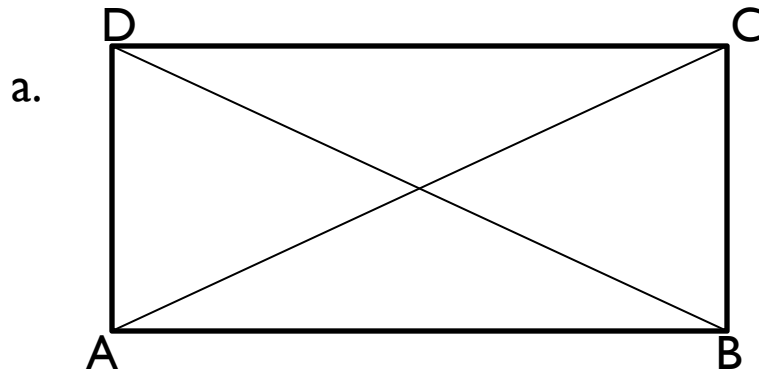


Ray

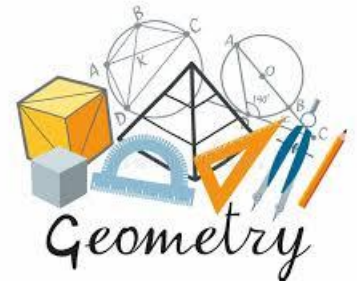


EXERCISE 15 A

I. Name the line segments in the following figures.

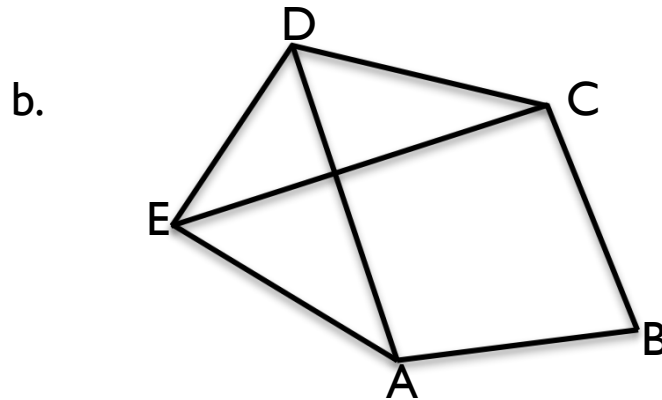


\overline{AB} , \overline{BC} , \overline{CD} , \overline{AD} , \overline{AC} , \overline{BD}

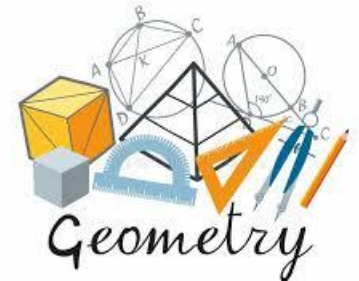


EXERCISE 15 A

I. Name the line segments in the following figures.

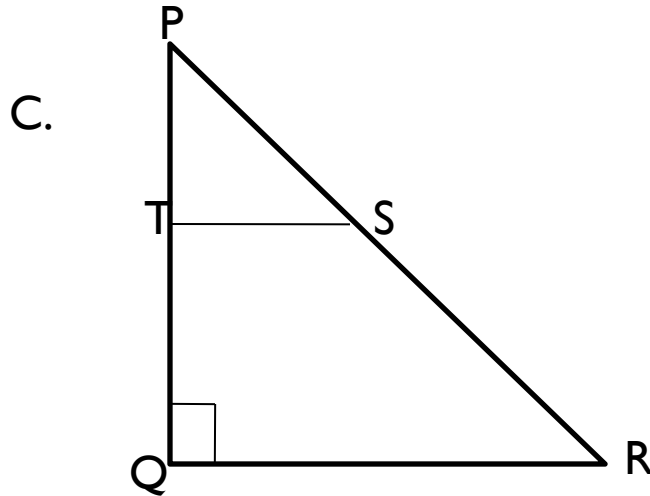


\overline{AB} , \overline{BC} , \overline{CD} , \overline{AD} , \overline{DE} , \overline{AE} , \overline{CE}

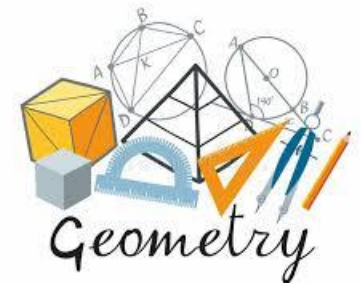


EXERCISE 15 A

I. Name the line segments in the following figures.



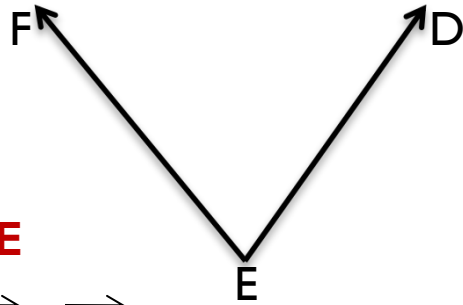
\overline{PQ} , \overline{QR} , \overline{PR} , \overline{RS} , \overline{PS} , \overline{PT} \overline{TQ} , \overline{TS}



EXERCISE 15 A

2. For each of the following angles name the vertex and arm.

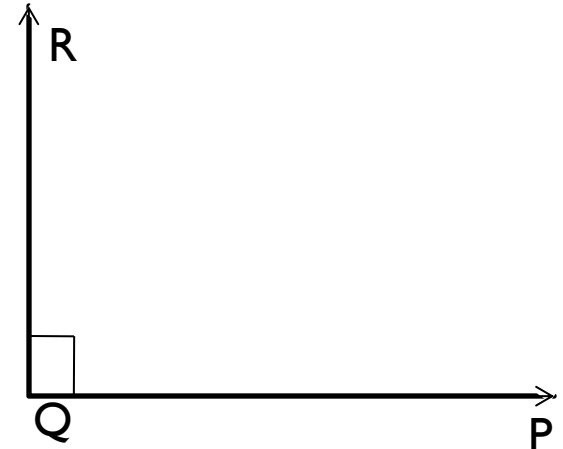
a.



Vertex - E

Arms - \vec{DE} , \vec{EF}

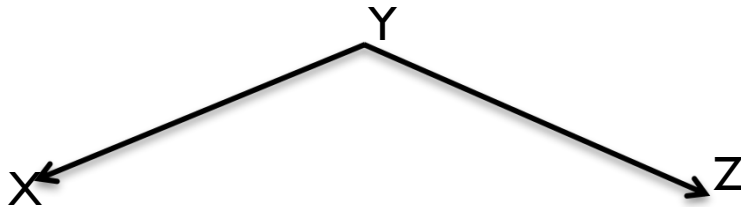
c.



Vertex - Q

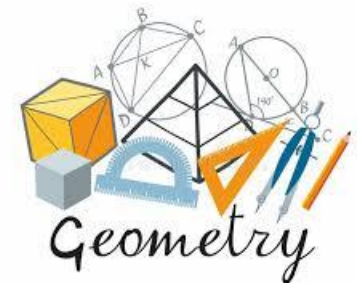
Arms - \vec{PQ} , \vec{RQ}

b.



Vertex - Y

Arms - \vec{XY} , \vec{YZ}





Learning Outcomes

Students are able:

To identify and define points, lines, rays , shapes, and angles.

THANKING YOU
ODM EDUCATIONAL GROUP