CLASS VI – MATHEMATICS – CHAPTER 04

BASIC GEOMETRICAL IDEAS

Name: Date:

01. How many end points a line segment have?
(a). 2 (b). 3 (c). 4 (d). 5

02. How many end points a line have?
(a). 1 (b). 0 (c). 2 (d). 3

03. How many end points a ray have?
(a). 0 (b). 2 (c). 1 (d). 3

04. The end points of the same side of a polygon are called the _____ vertices.
(a). same (b). parallel (c). different (d). adjacent

05. _____ are made when corners are formed.
(a). angles (b). line (c). ray (d). line segment

06. Which of them is not a line segment?
(a). an edge of a box (b). a tube light (c). the edge of a post card (d). rail lines

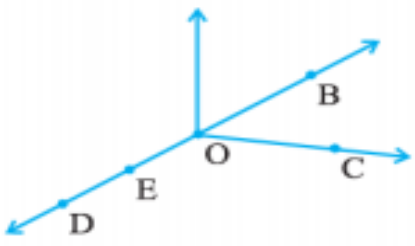
07. Which of them is a ray?
(a). an edge of a box (b). sun rays (c). the edge of a post card (d). rail lines

08. A figure is a _____ if it is a simple closed figure made up entirely of line segments.
(a). line (b). line segment (c). polygon (d). ray

09. An _____ is made up of two rays starting from a common end point.
(a). line (b). line segment (c). ray (d). angle

Q01. Fill in the blanks:

(a). A point determines a _____.
(b). A _____ extends indefinitely in both directions.
(c). A _____ is a portion of a line.
(d). If a curve does not cross itself, then it is called a _____ curve.
(e). The meeting point of a pair of sides is called a _____.
(f). The distance around the circle is the _____.
(g). A _____ contains a countless number of points.
(h). The line segments forming a polygon are called its _____.



Q02. What are vertex and sides of a polygon?

Q03. What is a semi-circle?

Q04. What is a triangle and a quadrilateral?

Q05. What are vertices and sides of an angle?

Q06. Use the figure to name five line segments.

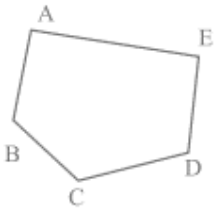
Q07. What is a triangle and a quadrilateral?

Q08. In Fig. how many line segments are there? Name them.

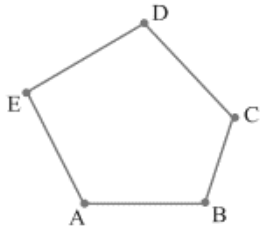
(a). 

(b). 

Q09. Label the figures and name all the line segments shown.

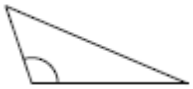
(a). 

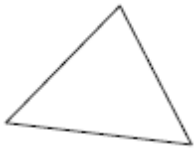
(b). 

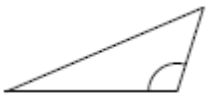
(c). 

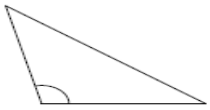
(d). 

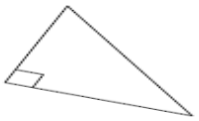
Q10. Classify each triangle using its angle properties.

(a). 

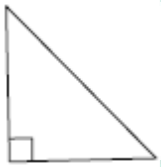
(b). 

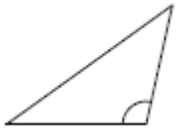
(c). 

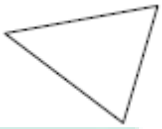
(d). 

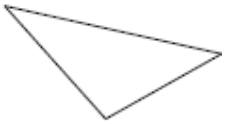
(e). 

(f). 

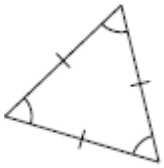
(g). 

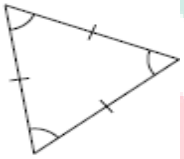
(h). 

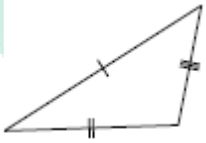
(i). 

(j). 

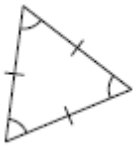
Q11. Classify each triangle using its side properties

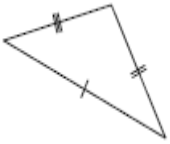
a). 

b). 

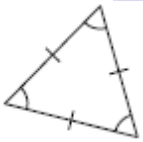
c). 

d). 

e). 

f). 

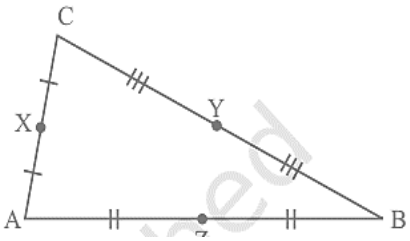
g). 

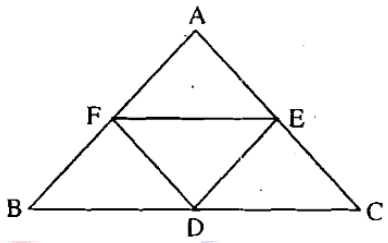
h). 

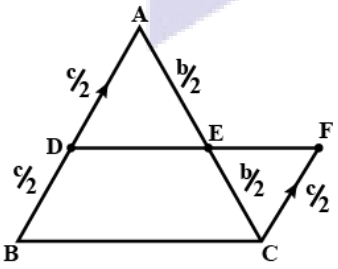
i). 

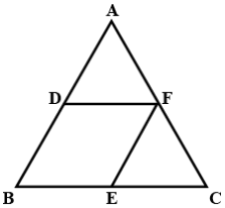
j). 

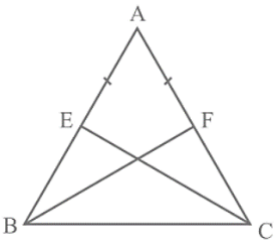
Q12. State the mid points of all the sides of fig.

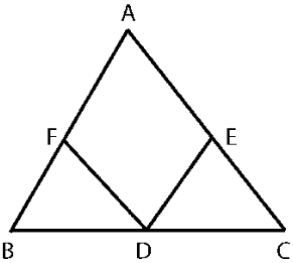
(a). 

(b). 

(c). 

(d). 

(e). 

(f). 

(g).