Paper: _____ Total Marks: _____

Month Test: __5th Term__ Obt. Marks: _____

Theme/Unit: _____ Weekly Test: _____/____

Objective/Subjective: ID: _____ Worksheets: _____/_____

Name: _____ class: _9TH____Section: ___ Grand Total: _____

Q:1 Choose the correct option /10

1- Mid- point between the points (0,0) and (2,2) is

a) (1,1) b) (1,0) c) (0,1) d) (2,2)

2- A point equidistant from endpoints of a line segments is on its ----------

a)vertex b)right-bisectors c)median d)none of above

3- A triangle has ---------- elements

a) 3 b) 5 c) 6 d) 9

4- In parallelogram ---------- are congruent

a) opposite sides b) opposite angles c) opposite sides and opposite angles d)diagonals

5- Angle bisectors of triangle are ----------

a) concurrent b) not concurrent c) equidistant from sides d) equidistant from angles

6- The distance between a line and a point on it is ----------

a) double b) half c) equal d) zero

7- A triangle having two sides congruent is called ----------

a) scalene b)right-angled c) equilateral d)isosceles

8- A quadrilateral having each angle equal to 90 degree is called --------

a) parallelogram b) rectangle c) trapezium d) rhombus

9- The diagonals of a parallelogram ---------- each other

a) bisect b)trisect c)bisect at right angle d) none of these

10- The medians of a triangle cut each other in the ratio ----------

a) 4:1 b) 3:1 c) 2:1 d) 1:1

Short Questions /24

1- Find the distance between the following pairs of points

A(0,0), B(0, -5)

2- Find the mid-point of the line segment joining each of the following pairs of points

A(9,2), B(7,2)

3- Define non-collinear points. Give example.

4- Define co-ordinate geometry.

5- Define bisector of an angle.

6- 3 cm, 4 cm and 7 cm are not the lengths of the triangle. Give the reason.

7- Define congruent triangles.

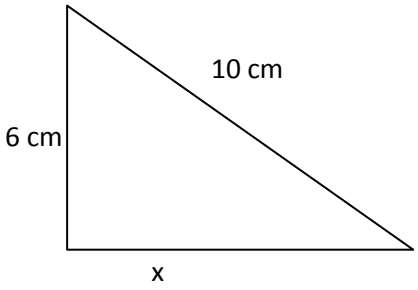
8- Define similar triangles.

9- Define altitude or height of a triangle.

10- Find the area of following.

11- What will be the angle for shortest distance from an outside point to the line?

12- Find the unknown value in each of following figure.

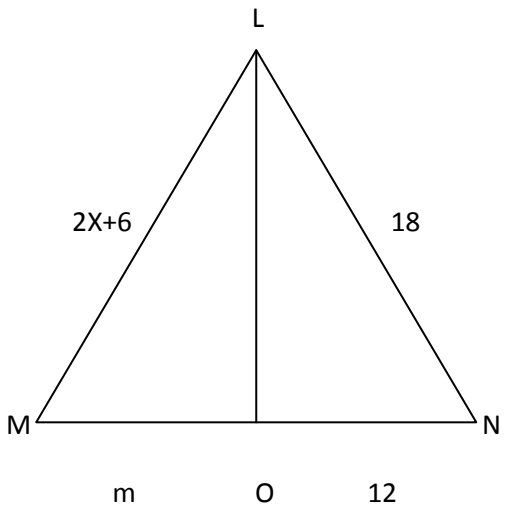


Long Questions /21

1-Prove that any point on the right bisector of a line segment is equidistant from its end points. /5

2-Prove that any point on the bisector of an angle is equidistant from its arms. /5

3-In the given congruent triangles LMO and LNO, find the unknowns x and m. /5



4- In ΔLMN shown in the figure, MN‖PQ /6

(i) If mLM= 5 cm, mLP=2.5 cm, mLQ=2.3 cm then find mLN.

(ii) If mLM= 6 cm, mLQ=2.5 cm, mQN=5 cm then find mLP.