MATHEMATICS WORKSHEET (2014-15)

BASIC GEOMETRICAL IDEAS

CLASS VI

1. Two distinct lines meet at a point is called _____
   a) parallel lines b) intersecting lines c) perpendicular lines d) none of these

2. How many lines can pass through 2 given points?
   a) many b) 2 c) 3 d) 1

3. If a curve does not cross itself, then it is called_____
   a) simple curve b) open curve c) diagonal d) none of these

4. The line segment joining the two non-consecutive vertices is called_____
   a) ray b) angle c) diagonal d) none of these

5. There are _____ diagonals in a in rectangle.
   a) 0 b) 2 c) 3 d) 4

6. Which of the following is not a polygon.
   a) square b) triangle c) rectangle d) circle

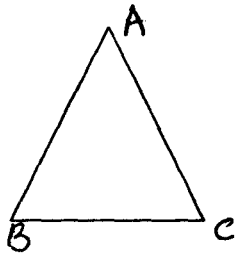
7. The meeting point of a pair of sides is called _____
   a) side b) vertex c) region d) angle

8. The end points of the same side of a polygon are called_____
   a) adjacent sides b) adjacent vertices c) diagonals d) adjacent angles

9. A region in the interior of a circle enclosed by a chord and an arc is called _____
   a) segment b) sector c) circumference d) diameter

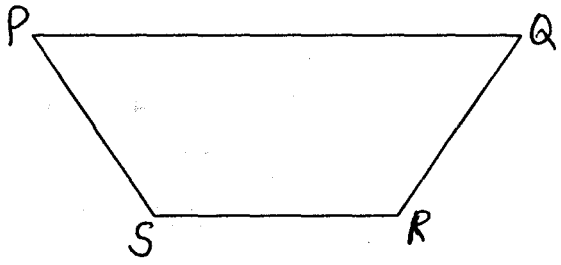
10. The _____ divide a circle into two semi-circles
    a) sector b) diameter c) radius d) segment

11. Name all the 3 angles, sides and vertices of the triangle ABC. Name the side opposite to vertex A.

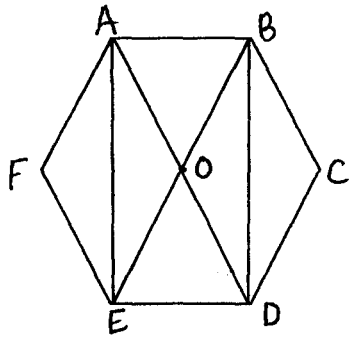


12. Draw a circle of radius 4 cm and mark the following.
    a) A Sector b) A Chord c) Two Radii d) A Segment e) An Arc
    f) A Diameter g) Two points in the interior and two points in the exterior

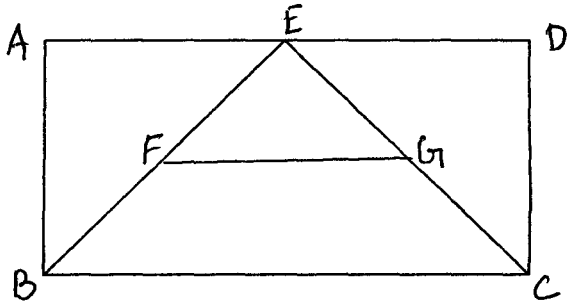
13. From the figure, name the following.
    a) Two pairs of opposite angles.
    b) Two pairs of opposite sides.
    c) All pairs of adjacent angles.
    d) All pairs of adjacent sides



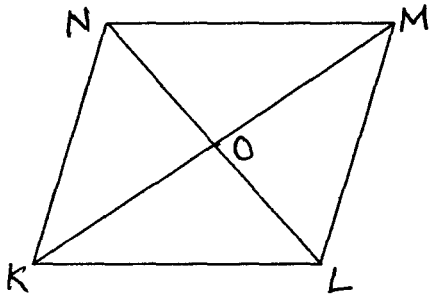
14. From the given figure, identify
    a) all line segments
    b) all the vertices
    c) all the diagonls



15. How many line segments are there in the adjoining figure.



16. From the given quadrilateral. KLMN, Name a) 8 triangles b) 2 diagonals



17. In the given figure, mention the name of
    a) Any two pairs of intersecting lines.
    b) Any 4 line segments
    c) Any 4 rays
    d) Line passing through B
    e) Line on which D lies
    f) Two non-intersecting line segments