MATHS ASSIGNMENT – 4,5

CLASS VI

[ Basic Geometrical Ideas + Understanding Elementary Shapes ]

1. Name the types of angles formed
2. by two adjacent fingers
3. Minute hand from 8 am to 10 am
4. from East and North (clockwise and anti-clockwise)
5. Adjacent edges of your notebook
6. a) An angle greater than straight angle but less than complete angle is \_\_\_\_\_\_\_\_\_\_\_\_

b) An angle which makes a full revolution is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) The measure of a straight angle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Name the type and measure of an angle made by the hands of a clock at 3 pm

e) Vertex of an angle lie \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the angle [ exterior/interior/on ]

3. a) Give some examples of triangular shapes from your surroundings.

b) Any three line segments make up a triangle [ True/ False]

c) The vertices of an angle are three collinear points. [ True/ False]

d) Every acute triangle is an equilateral triangle. [ True/ False]

4. a) The interior of a quadrilateral ABCD is called \_\_\_\_\_\_\_\_\_\_

b) Name a few things around you in the shape of a quadrilateral.

5. a) The longest chord of a circle is called \_\_\_\_\_\_\_\_\_\_\_\_

b) Draw a circle with radius 3.5 cm and name its

(i) Centre (ii) Diameter (iii) Radius (iv) Chord (v) Sector (vi) Segment

(vii) point in the exterior (viii) point in the interior (ix) point on the circle

6. a) A circle can have \_\_\_\_\_\_\_\_\_\_\_\_\_\_ diameters.

b) All diameters and all\_\_\_\_\_\_\_ of a circle are \_\_\_\_\_\_\_\_\_\_\_

c) Give a familiar example of anything in the shape of sector of a circle.

7. a) Give two examples of each of the following :

i) Line ii) Line segment iii) Ray

b) Ray AB is the same as Ray BA [True/ False]

c) A point is used to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an object.

8. Write the number of a) Vertices b) Faces c) Edges of the following shape