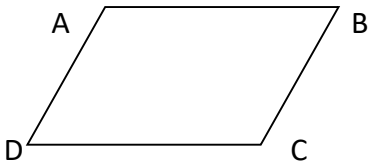
INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS

Subject : Mathematics	Topic 5 : Understanding Elementary Shapes	Date of Worksheet : 7/8/17
Resource Person: Mrs. Jayalakshmi Ratish		Date : 17/8/17
Name of the Student :_____	Class & Division : VI	Roll Number : __

Section A - Basic Skills

1 In the figure specify whether the angles are acute, obtuse, right, straight or reflex angles.



(a) <BCD _____

(b) <CDA _____

(c) <DAB _____

(d) <ABC _____

2 Name the angles whose measure is

(a) 90^0
(b) 180^0
(c) 360^0
(d) Less than 90^0
(e) Greater than 90^0 but Less than 180^0
(f) Greater than 180^0 but Less than 360^0

Section B

3 Classify the following triangles according to the measures

(a) Triangle ABC, AB = 8 cm, BC = 8cm, AC = 12cm & m<B = 130^0
(b) Triangle PQR, PQ = 3 cm, QR = 4cm, PR = 5cm & m<Q = 90^0
(c) Triangle PQR, PQ = 7 cm, QR = 7cm & m<Q = 90^0
(d) Triangle ABC, AB = 8 cm, BC = 8cm, AC= 8cm & m<B = 60^0

4 Fill in the blanks:

(a) one revolution = _____ degrees
(b) half revolution = _____ degrees
(c) one-fourth revolution = _____ degrees
(d) three-fourth revolution = _____ degrees

5 Draw the following shapes & write number of faces, edges and vertices
   (a) Square pyramid
   (b) Rectangular pyramid
   (c) Triangular prism
   (d) Cuboid

6 What part of a revolution have you turned through if you stand facing
   (a) east and turn clockwise to face north?
   (b) west and turn anticlockwise to face north

7 Fill in the blanks:
   (a) A quadrilateral in which all sides and all angles are equal is a _____
   (b) A quadrilateral in which two pairs of adjacent sides are equal, but the opposite sides are unequal, is called a _____
   (c) A quadrilateral in which one pairs of opposite sides are equal & the other pair of opposite sides are non-parallel is called a _____

8 By how many right angles will the hour hand move if it starts from
   (a) 6 and stops at 3
   (b) 4 and stops at 7
   (c) 1 and stops at 1, making a full revolution.

(movement is made in clockwise direction)

Section C - HOTS

9 Name the following parallelograms.
   (a) All sides are equal and the diagonals are unequal.
   (b) The adjacent sides are unequal and the diagonals are equal.
   (c) The adjacent sides are equal and the diagonals are equal.

10 Name each of the following triangles in two different ways: (you may judge the nature of the angle by observation)