ASSIGNMENT NO. 3

CLASS- VIII SUB- MATHS chapter -3

1. Define polygon, concave polygon, convex polygon?
2. Find the sum of measures of all interior angles of a polygon with 9 sides?
3. Find the number of sides of a regular polygon whose each exterior angle has a measure of 450 ?
4. If the angles of a pentagon are in the ratio 7 : 8 : 11 : 13 : 15 , find all the angles ?
5. Define a regular polygon ? state the name of a regular polygon if it has 5 sides, 6 sides, 9 sides?
6. Draw 5 different types of quadrilaterals and write their properties ?
7. Two adjacent sides of a parallelogram are in the ratio 3 : 5 , if the perimeter of this parallelogram is 48 cm . find the measurement of all sides of parallelogram ?
8. The measure of two adjacent angles of a parallelogram are in the ratio 4 : 5 . find the measure of each angle of the parallelogram ?
9. In the adjoining figure , RISK is a rectangle K S

its diagonals intersect at O. if angle OAB= 300 ,

find angle ACB ?

R I

1. The measure of two opposite angles of a parallelogram are(3x-2)0 and (50-x)0. Find the measure of each angle .
2. If an angle of a parallelogram is two third of its adjacent angle, find the angles of the parallelogram .
3. In a parallelogram ABCD , D = 1350 determine the measure of A and B .
4. Two adjacent sides of a parallelogram are 4 cm, 3 cm respectively .find its perimeter.
5. The perimeter of a parallelogram is 150 cm .one of its sides is greater than the other by 25 cm. find the length of the sides of the parallelogram .
6. In the given diagram , find all the angles if P O

Angle MPO= 400 , angle NMO=750

M N

1. Find the length of the diagonal of a rectangle whose sides are 12 cm and 5 cm?