CHAPTER-8
QUADRILATERALS

WORKSHEET-2

1. PQRS is a parallelogram, in which PQ = 12 cm and its perimeter is 40 cm. Find the length of each side of the parallelogram.
2. ABCD is a parallelogram and line segments AX bisects angle A and meets CD at X and , CY bisect the angle C and meets AB at Y. Show that AX\\CY.
3. No quadrilateral exists with its angles in the ratio1: 2: 3:6. State TRUE or FALSE . Justify your answer
4. In a parallelogram, show that the angle bisectors of two adjacent angles intersect at right angles.
5. In a quadrilateral ABCD, AP and BP are bisectors of ∠A and ∠ B respectively intersecting at P, ∠D = 60° and ∠ C = 130°, then find the angle between the bisectors.
6. ABCD is a rhombus in which altitude from D to side AB bisects AB. Find the angles of the rhombus.
7. The angle between two altitudes of a parallelogram through the vertex of an obtuse angle of the parallelogram is 60°. Find the angles of the parallelogram.
8. In parallelogram ABCD, AB=10cm and AD=6cm, the bisector of ∠ A meets DC in E. AE and BC produced meet at F. Find the length of CF.