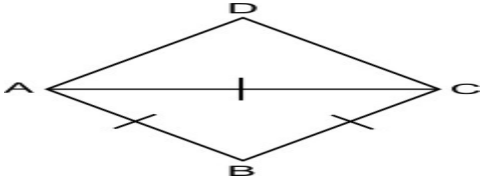
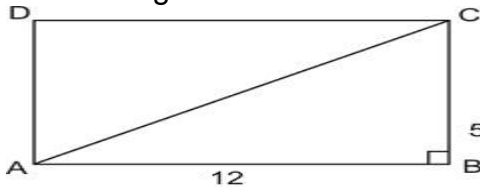


**THE INDIAN HEIGHTS SCHOOL****CLASS -VIII****SUBJECT- Mathematics****REVISION WORKSHEET- Understanding Quadrilaterals****NAME-****DATE- 10.9.13**

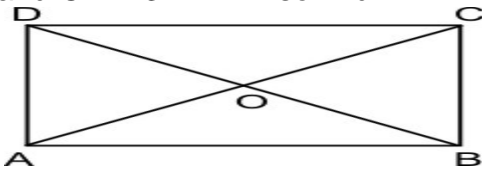
Q 1 The diagonal AC of rhombus ABCD is equal to one of its sides BC. Find all the angles of rhombus.



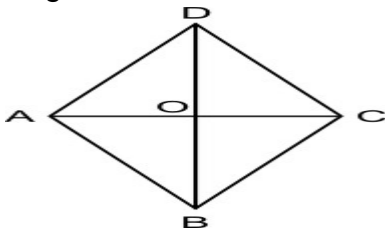
Q2 ABCD is a rectangle with AB = 12cm and BC = 5cm. Find AC.



Q3 In the following figure, ABCD is a rectangle and its diagonals meet at O. Find x, if  $OA = 2x + 4$  and  $OD = 3x + 1$ . Also find BD.



Q4 The lengths of the diagonals AC and BD of a rhombus are 6 cm and 8 cm respectively. Find the length of each side of the rhombus.



Q5 What is the sum of all the angles of a 11-sided polygon?

Q6 Five angles of a hexagon are  $150^\circ$ ,  $95^\circ$ ,  $80^\circ$ ,  $135^\circ$  and  $125^\circ$ . Find the sixth angle.

Q7 Find the measure of each angle of a regular pentagon.

Q8 How many diagonals are there in (a) a hexagon (b) an octagon?

Q9 If each interior angle of a regular polygon is  $144^\circ$ . Find the number of sides of the polygon.

Q10 An exterior angle and the interior angle of a regular polygon are in the ratio 2:7. Find the number of sides in the polygon?

Q11 Find the sum of the interior angles of a polygon with 8 sides.