



**Ts9M**

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- 14) The point (3, -4) is the centre of a circle. If AB is a diameter of the circle and B=(5, -6). Find the co-ordinates of A.

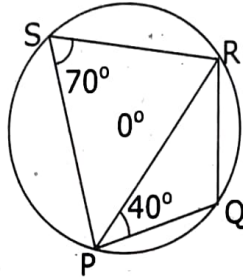
**Section - C**

5×5=25

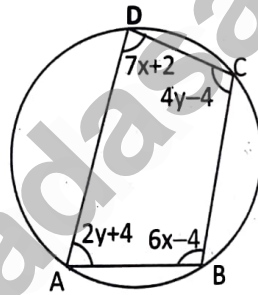
**Note:** i) Answer any 5 questions.

ii) Question number 21 is compulsory.

- 15) Prove that, In a parallelogram, opposite sides are equal.  
 16) If PQRS is a cyclic quadrilateral in which  $\angle PSR = 70^\circ$  and  $\angle QPR = 40^\circ$  then find  $\angle PRQ$



- 17) Find all the angles of the given cyclic quadrilateral ABCD in the figure.



- 18) Show that the points A(5, 4) B(2, 0), C(-2, 3) taken in order form an isosceles triangle.  
 19) If the mid point (x, y) of the line joining (3, 4) and (P, 7) lies on  $2x + 2y + 1 = 0$  then what will be the value of P?  
 20) Find the co-ordinates of the points of trisection of the line joining the points A(-5, 6) and B(4, -3).  
 21) Show that the points A(3, 1) B(6, 4), C(8, 6) are collinear. (lies on a straight line)

**Section - D**

- 22) Draw the graph of  $y = 3x - 1$

(OR)

Solve graphically :  $x + y = 7, x - y = 3.$

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