

VI - Mathematics Assignment No-01-Practical Geometry.

- Q1. Draw a line segment AB of 8 cm length and find its mid point by using ruler and compass
- Q2. Draw a line of 5 cm length. Find a point on this line in such a way that the two parts (in length) are equal.
- Q3. Draw a line segment  $AB = 5.6$  cm. Find its perpendicular bisector.
- Q4. Draw a circle of radius 5 cm
- Q5. Draw three circles with same centre and of radius 4 cm, 5 cm and 6 cm.
- Q6. Draw a circle of radius 4.5 cm. Draw a line passing through the centre and meeting the circumference at two different points. Name the line so formed.
- Q7. Draw a circle of radius 5.5 cm. Draw two chords not passing through the centre

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- Q8. Draw a circle of radius 4cm.  
Draw the longest chord. Will it pass through the centre if yes, what is the name of such chord?
- Q9. Draw a circle of radius 3cm.  
Divide the circle into two equal parts by drawing a line AB passing through the centre. Now take a point P on the circumference of circle. Join PA and PB. Measure the angle  $\angle APB$ .
- Q10. Draw a circle of radius 3.5cm and mark points P, Q, R such that
- P on the circle
  - Q outside the circle
  - R in the interior of the circle

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ANSWER:

Q8. Diameter

Q8. Longest chord is Diameter

Yes, it will pass through centre

Q9.  $\angle APB = 90^\circ$