

STD VI  
Mathematics  
Circle

Assignment – (ii)

Instructions to the students : The notes provided must be copied to the math's copy & then do the Home Work in the same copy.

**Things To Remember**

- A circle is a simple closed curve consisting of all points in a plane which are at a fixed distance,  $r$  cm from a fixed point  $O$  inside it.  
The fixed point  $O$  is called the Centre of the circle and the constant distance  $r$  is called the radius.
- All the radii of a circle are equal.
- A line segment whose end point lie on a circle is called a chord.
- A chord of a circle passing through its centre is called the diameter of the circle.
- Diameter = 2 X Radius

**Exercise for Home Work**

i) Find the length of the diameter of a circle of a radius :

- i) 5cm      ii) 3.6cm      iii) 2.8cm

**Fill in the blanks**

- i) The perimeter of a circle is called its \_\_\_\_\_
  - ii) A diameter is the \_\_\_\_\_ chord of the circle
  - iii) Half of a circle is called a \_\_\_\_\_
  - iv) The mid – point of a diameter of a circle is the \_\_\_\_\_ of the circle
  - v) All the radius of a circle are \_\_\_\_\_
  - vi) A line segment having its end points on a circle is called a \_\_\_\_\_ of the circle
  - vii) A chord that passes through the centre of a circle is called \_\_\_\_\_ of the circle
  - viii) The interior of a circle together with the circle is called the \_\_\_\_\_
  - ix) A line which intersects the circle at two distance is called a \_\_\_\_\_
  - x) A quadrant is \_\_\_\_\_ of a circle
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