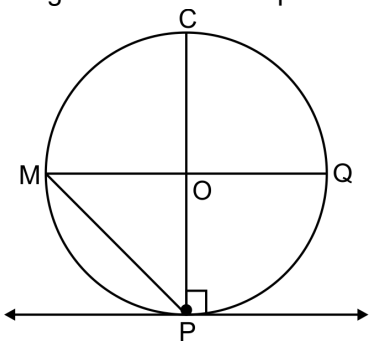
KIRAN TUTORIALS **Seat No.** | | | | | | | |

Std 10 (English) **Mathematics Part - II** **Date 01-10-20**

Time 1HRS	**Chapter 4.,4.00**	**Marks 20**

Q.1 **Multiple Choice Questions** **1**

1 Tangent drawn from a point P on the circle is perpendicular to ..... .



a. Chord MP b. Chord OM c. Radius OQ d. Diameter CP

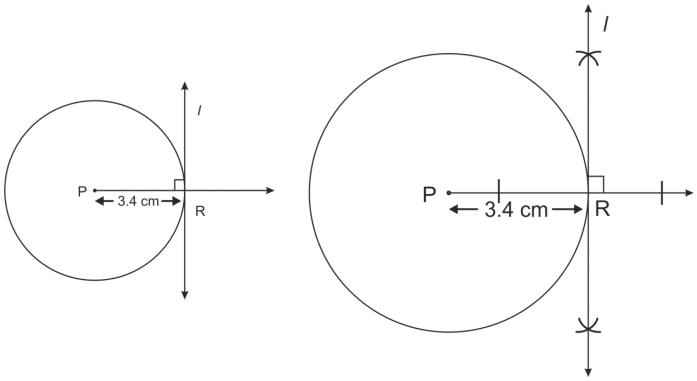
Ans Option d.

Tangent - Radius Property

Q.2 **Answer the following.** **1**

1 Draw a tangent at any point R on the circle of radius 3.4 cm. and centre 'P'.

Ans

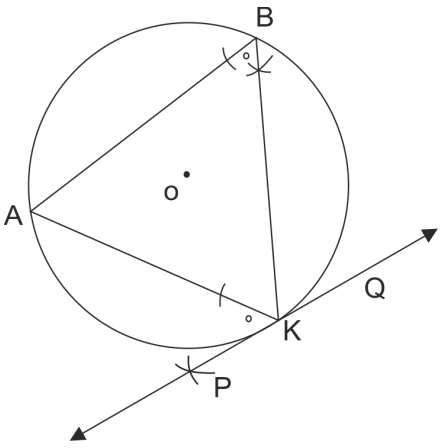


Line l is the tangent to the circle at point R

Q.3 **Answer the following** **4**

1 Draw a circle of radius 3.6. Draw a tangent to the circle at any point on it without using centre.

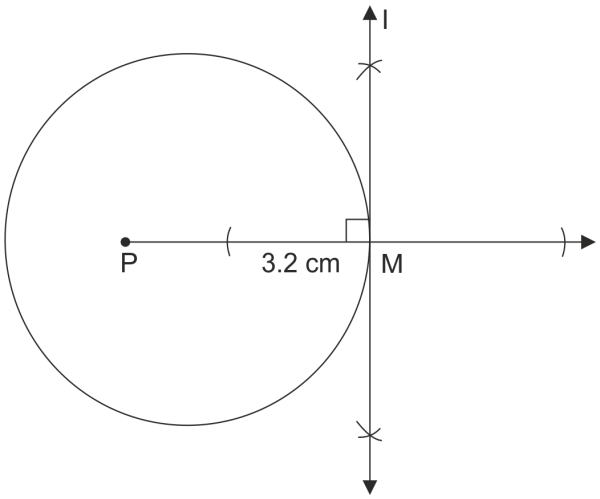
Ans



Line BN is the required tangent.

2 Construct a tangent to a circle with centre P and radius 3.2 cm at any point M on it.

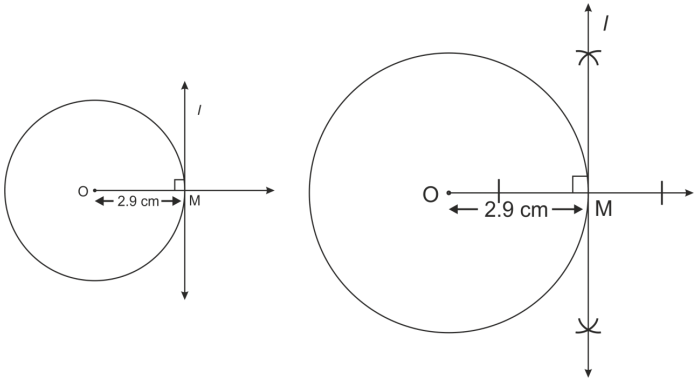
Ans



Q.4 Solve the following **6**

1 Draw a tangent at any point 'M' on the circle of radius 2.9 cm and centre 'O'.

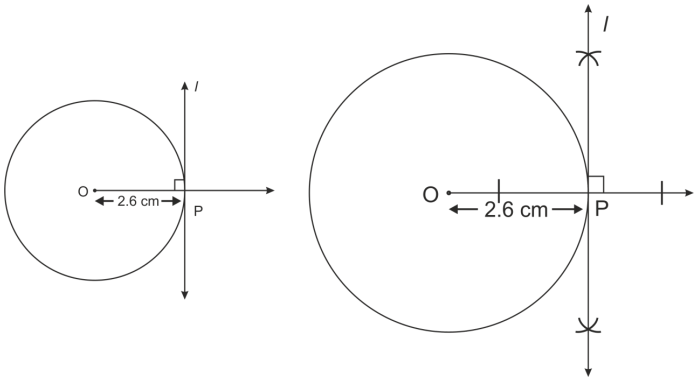
Ans



Line l is the tangent to the circle at point M

2 Draw a circle of radius 2.6 cm. Draw a tangent to the circle from any point on the circle using centre of the circle.

Ans

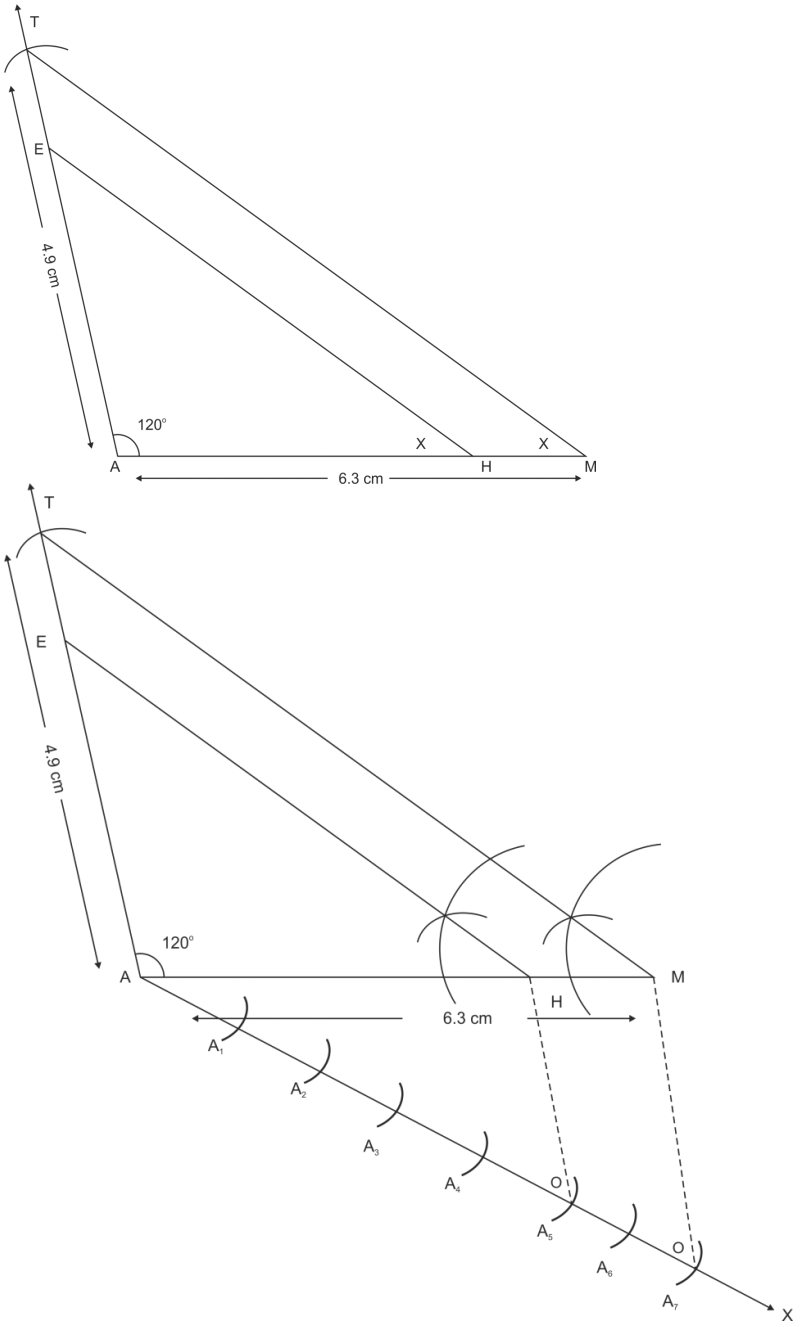


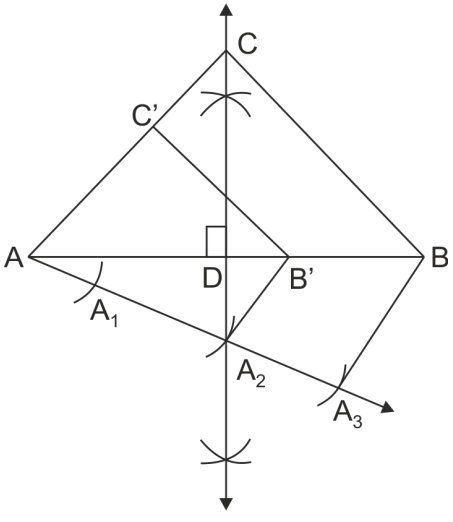
Line l is the tangent to the circle point P

Q.5 Answer the following (Non textual) **8**

1 △ AMT ~ △ AHE. In △ AMT, MA = 6.3 cm, ∠A = 120º, AT = 4.9 cm and $\frac{MA}{HA} = \frac{7}{5}$ then draw △AHE.

Ans



2 Draw an isosceles triangle with base 5 cm and height 4 cm. Draw a triangle similar to the triangle drawn whose sides are $\frac{2}{3}$ times the sides of the triangle.

Ans