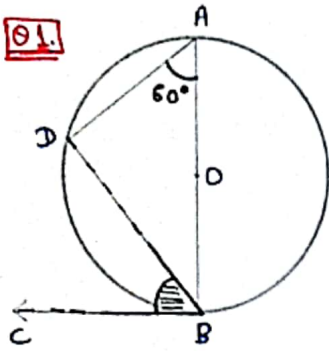
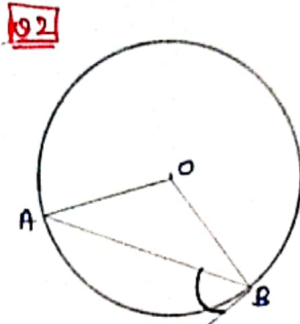


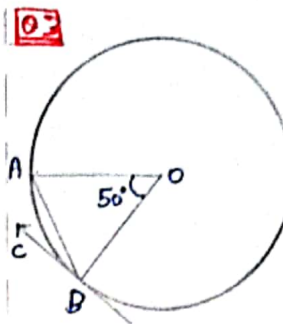
Important Questions



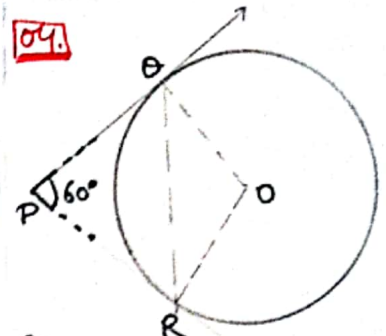
Find $\angle DBC = ??$



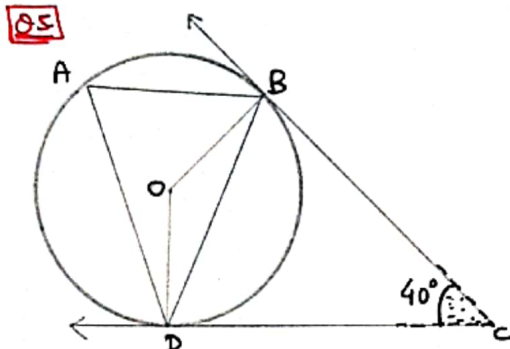
Given $\angle ABC = 40^\circ$
Find $\angle AOB$.



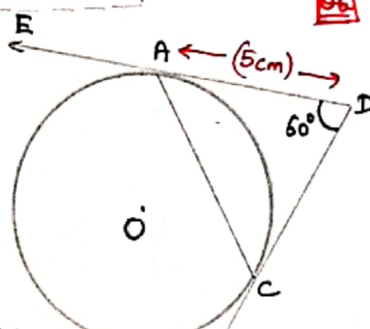
Find $\angle CBA = ??$



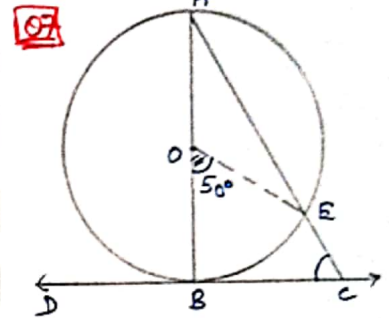
Find $\angle OBR = ??$



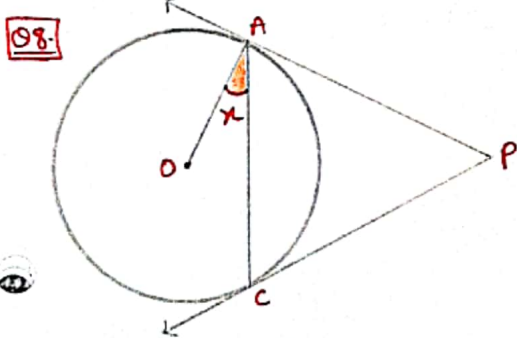
Find $\angle BDC, \angle DOB, \angle DAB, \angle OBC$



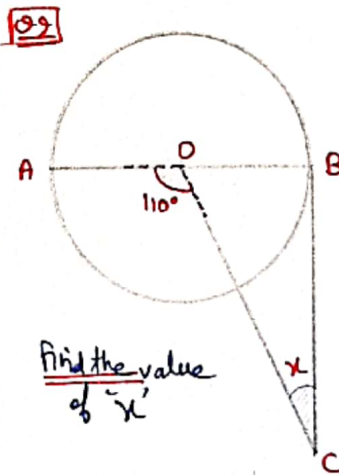
Find length of $AC = ??$



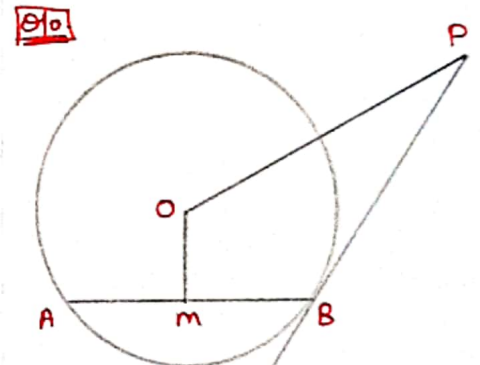
Find $\angle ECB = ??$



Given $\angle DAC = x^\circ$ Find $\angle APC = ??$

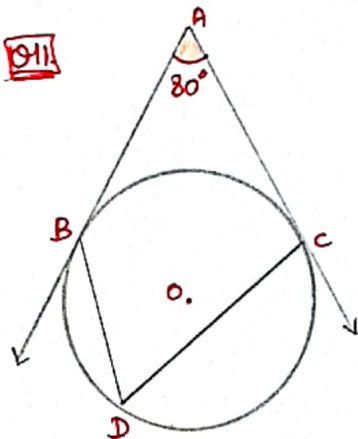


Find the value of 'x'

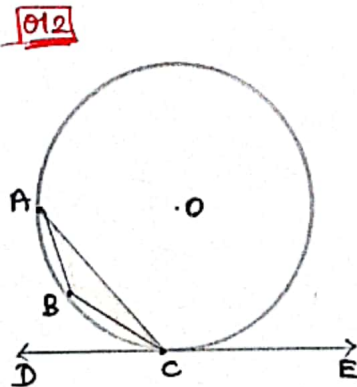


Given $AB = 24\text{cm}$
 $OM = 5\text{cm}$
 $PB = 20\text{cm}$

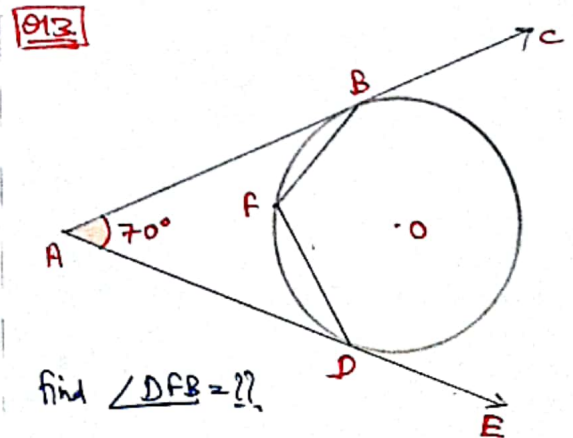
Find $PO = ??$



Find $\angle BDC = ??$

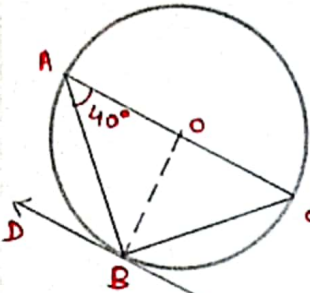


Given $\angle ACD = 70^\circ$
Find $\angle ABC = ??$



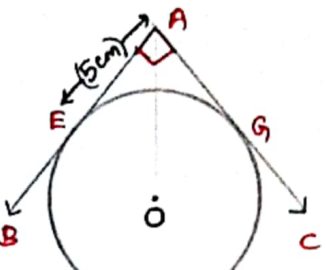
Find $\angle DFB = ??$

Q14.



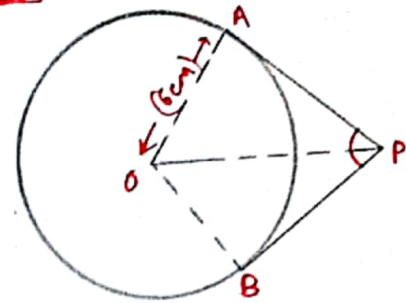
find $\angle ABD = ??$

Q15.



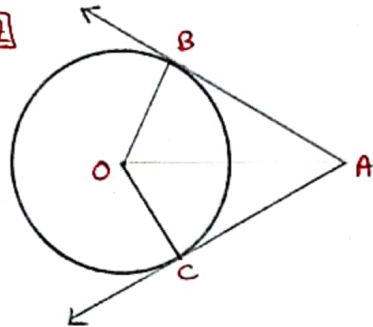
BA is \perp to AC, $AE = 5\text{cm}$
find radius of circle

Q16.



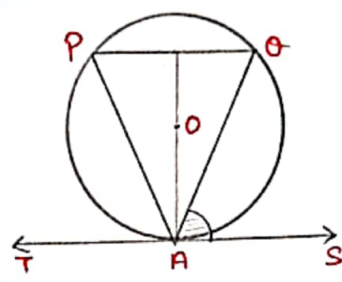
find PA, BP if $\angle APB = 120^\circ$

Q17.



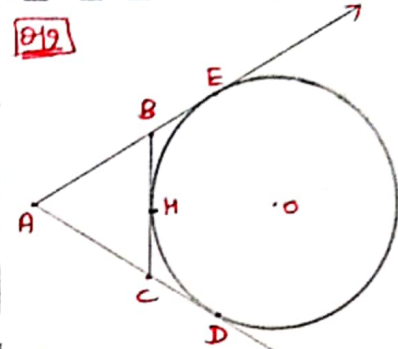
Given radius = 5cm and $AC = 13\text{cm}$.
find area of ΔOBC .

Q18.



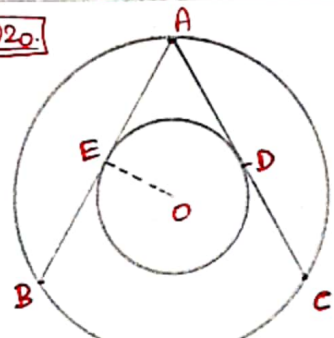
Given $\angle OAS = 75^\circ$
 PO is parallel to TS .
find $\angle PAO = ??$

Q19.



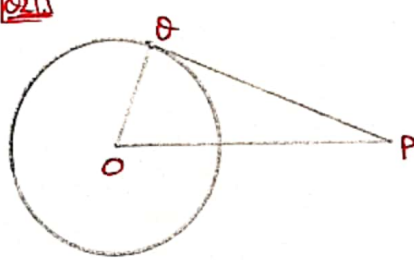
Given $AD = 9\text{cm}$
then find perimeter of ΔABC

Q20.



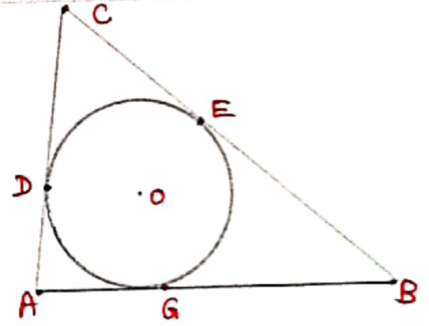
Given $AD = 6\text{cm}$
find length of AB, AC

Q21.



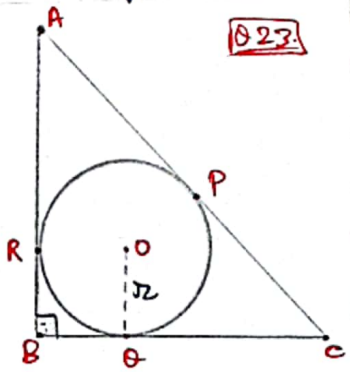
find $\angle POA + \angle POB = ??$

Q22.



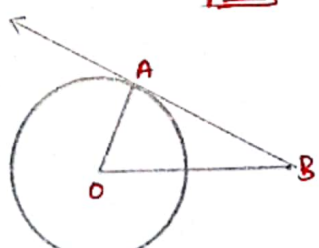
find AG, BE and CD. if $AB = 12\text{cm}$,
 $BC = 8\text{cm}$, $AC = 10\text{cm}$.

Q23.



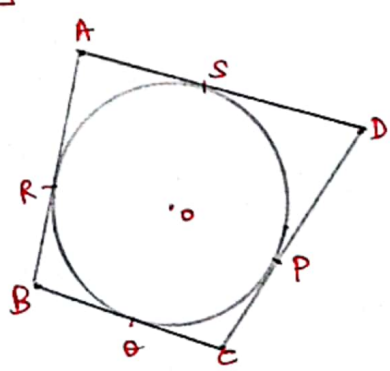
Given $AB = 48\text{cm}$, $BC = 14\text{cm}$
 $\angle B = 90^\circ$, find $OQ = ??$

Q24.



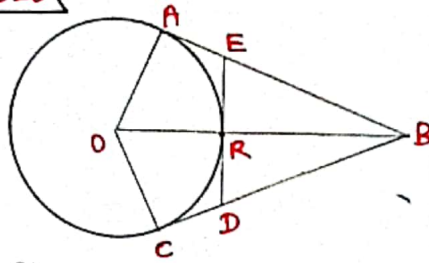
Given $OB = (x+1)\text{cm}$,
 $OA = (x-1)\text{cm}$,
 $AB = (x-3)\text{cm}$
find Radius,
length of tangent,
and distance of point B from the centre.

Q25.



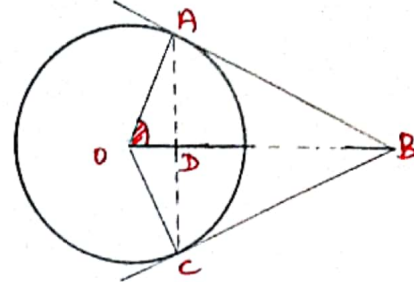
Given $BC = 6\text{cm}$, $CD = 9\text{cm}$, $AD = 8\text{cm}$
find the length of the tangent AB.

Q26



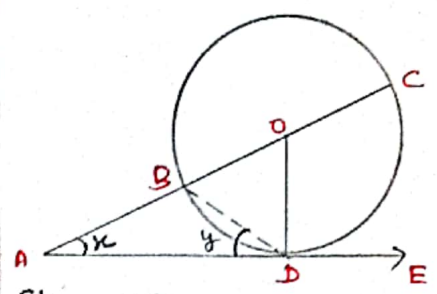
Given radius = 5cm,
OB = 13cm,
find Perimeter & Area of $\triangle BDE$.

Q27



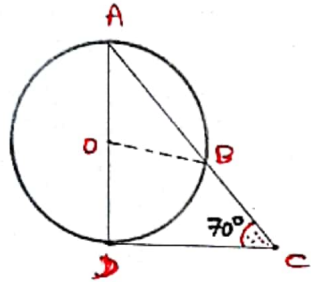
Given $\angle AOD = \alpha$
OA = R, OB = 2R
find $\angle OCD = \beta$.

Q28



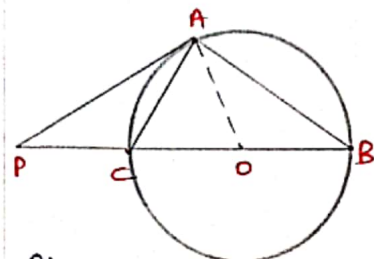
Given $\angle CAD = x$, $\angle BDA = y$
find $x + 2y = ??$.

Q29



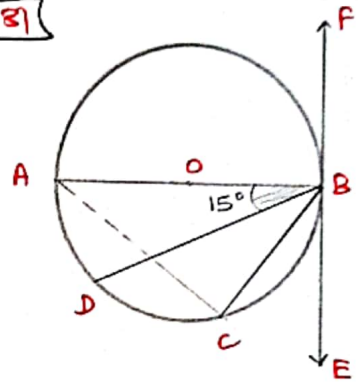
find $\angle DAC = ??$.

Q30



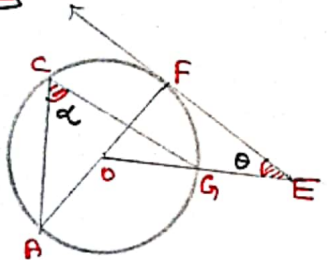
Given $\angle PAB = 110^\circ$
find $\angle OCA = ??$.

Q31



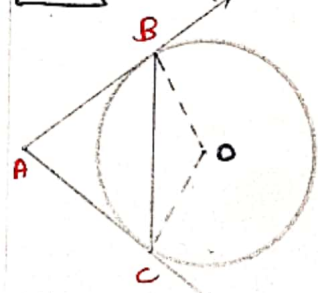
Given $\angle ABD = 15^\circ$
AC = BC,
find $\angle DBC$
and $\angle CBE = ??$.

Q32



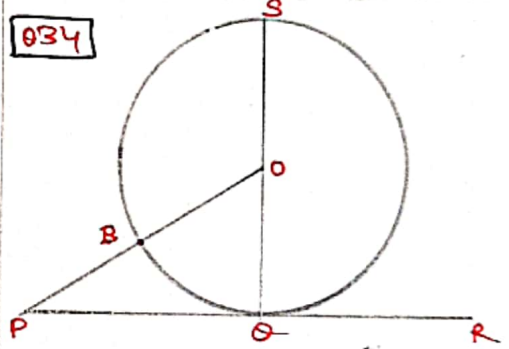
Given $\angle AOE = 130^\circ$
find the value of $(\alpha + \theta) = ??$.

Q33



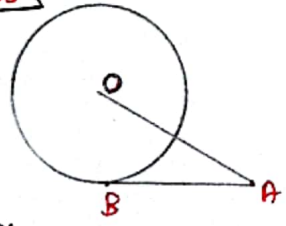
Given $\angle ACB = 60^\circ$
find $\angle OBC = ??$.

Q34



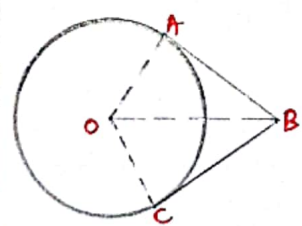
Given OP = 10cm, $\angle SOP = 120^\circ$
find the diameter of circle.

Q35



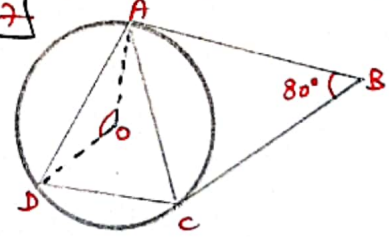
Given $\angle OAB = 45^\circ$,
BA = 6cm, find OA = ??
also find Radius.

Q36



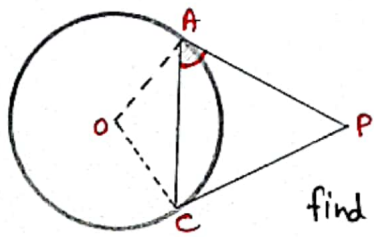
Given $\angle ABC = 80^\circ$
find $\angle BOA = ??$.

Q37



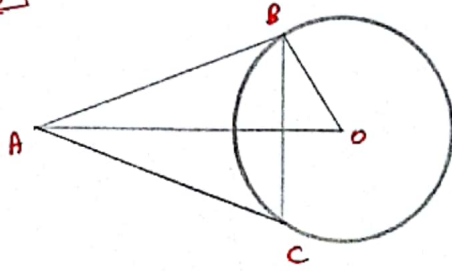
Given $\angle AOD = 140^\circ$, $\angle ABC = 80^\circ$,
find the $\angle CAD = ??$.

Q38



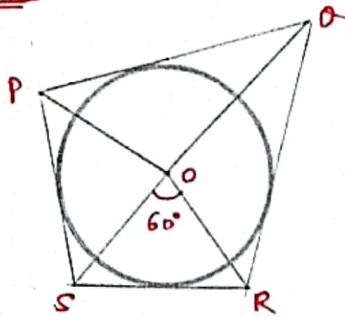
find $\angle AOC = ??$
if $\angle CAP = 50^\circ$.

Q39



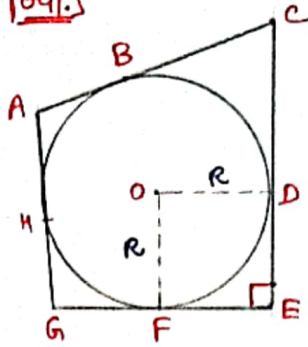
Given $OB = R$
and $OA = 2R$
then determine
the type of triangle BAC.

Q40.



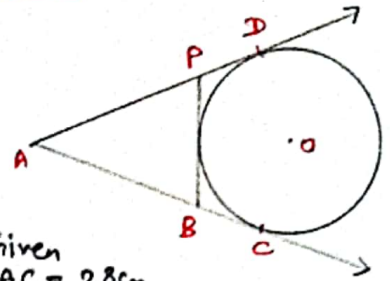
find $\angle POQ = ??$

Q41.



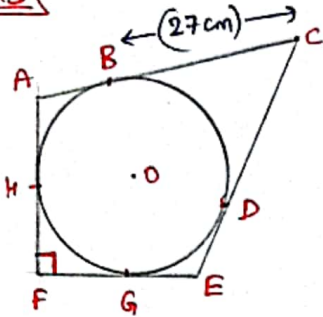
Given
 $AC = 23\text{cm}$
 $AH = 5\text{cm}$
 $CE = 29\text{cm}$
 Find the diameter of the circle

Q42.



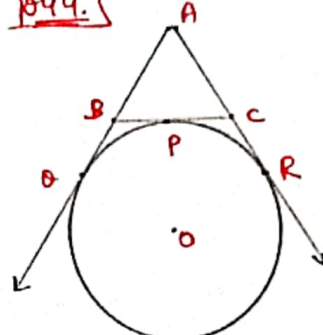
Given
 $AC = 28\text{cm}$
 find perimeter of $\triangle APB$.

Q43.



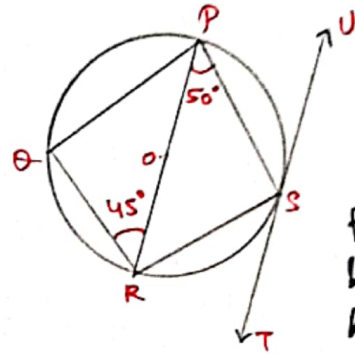
Given $BC = 27\text{cm}$, $EC = 38\text{cm}$
 Radius = 10cm , find $FE = ??$

Q44.



Prove that $AO = \frac{1}{2} \times (\text{Perimeter of } \triangle ABC)$

Q45.



Given Diameter is parallel to TU,
 find $\angle ROP$
 k $\angle PSU$
 k $\angle RST$

Q46. From a point 'A' which is at a distance of 10cm from the centre of circle 'O'. The pair of tangents AP & AQ are drawn. Then find the area of quadrilateral APOQ, Given that radius of a circle is 6cm . Also find the perimeter of APOQ.

Q47. Two tangents making an angle of 60° with each other are drawn to a circle of radius 6cm , then determine the length of each tangent.

Q48. From an external point P, 2 tangents PA & PB are drawn to a circle with centre 'O'. If $\angle PAB = 50^\circ$, then find $\angle AOB = ??$

Q49. 2 Concentric circles of radii a & b . ($a > b$). find the length of the chord of the larger circle which touches the smaller circle.

Q50. Given that a triangle OAB is an isosceles \triangle & AB is a tangent to the circle with centre 'O'. find the measure of $\angle ABO$.

Q51. 2 Concentric circles with centre 'O' are of radii 5cm & 3cm . from an external point P, 2 tangents PA & PB are drawn to these circles. If $PA = 12\text{cm}$, then find the length of PB = ??

Q52. 2 tangents OA & OB are drawn to a circle such that $\angle AOB = 120^\circ$. Show that $OO = 2AO$.

Q53. AB is a diameter of a circle with centre 'O' & AC is a chord such that $\angle BAC = 30^\circ$. The tangent at 'C' intersects extended AB at a point D. Prove that $BC = BD$.