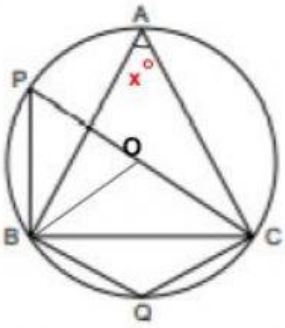
CIRCLE



(type your answer) (match the reason)

$\angle BAC = x°$

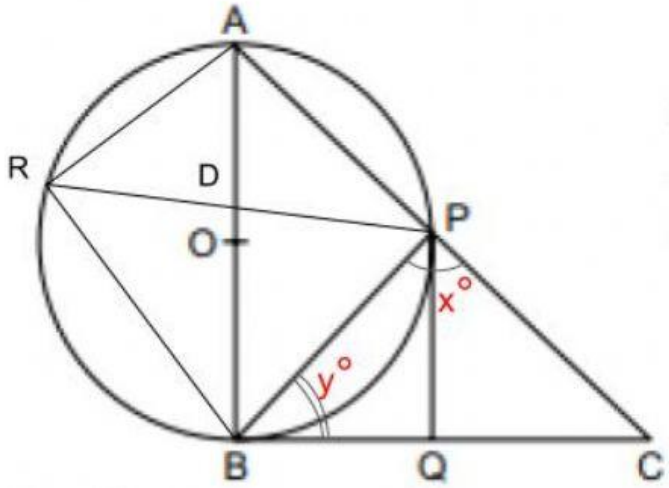
$\angle BPC =$ [ ] °

$\angle BOC =$ [ ] °

$\angle BQC =$ [ ] °

If PC is the diameter
Then $\angle PBC =$ [ ] °

- Angle at the center= 2x angle at circumference
- Angle in the semicircle
- Angles in same segment
- Opposite angles of cyclic quadrilateral are supplementary



Given a circle with center O.

Tangent QP and QB
at points P and B respectively.

$\angle PBQ = y°$, $\angle BAC = x°$

(Drag and drop)

90° x° y° CB CP BD PD QP LU LT VU TS

(Match the reason)

$\angle BRP =$ [ ]

$\angle ARB =$ [ ]

$\angle OBQ =$ [ ]

$QB =$ [ ]

[ ]$^2 =$ CA x [ ]

RD x [ ] = [ ] x AD

LS x [ ] = LV x [ ]

- Angle between radius and tangent.
- Angle between tangent and chord=Angle in alternate segment
- Exterior angle of cyclic quadrilateral= Interior opposite angle.
- Tangents from common point.