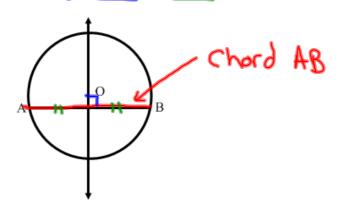
CHORDS & CIRCLES

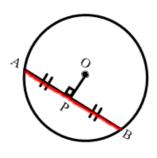
Chord Property I

The perpendicular bisector of a chord passes through the centre of a circle.



Chord Property II

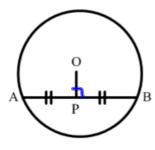
A line drawn perpendicular to a chord from the centre of a circle bisects the chord.



AP = PB

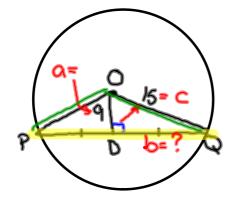
Chord Property III

The line segment drawn from the centre of a circle to the $\mathbf{midpoint}$ of the chord is perpendicular to the chord.



<OPA = <OPB = 90°

3



How long is PQ?

$$81+p_{3}=992$$

 $(4)_{3}+p_{3}=(12)_{3}$
 $0_{3}+p_{3}=0$