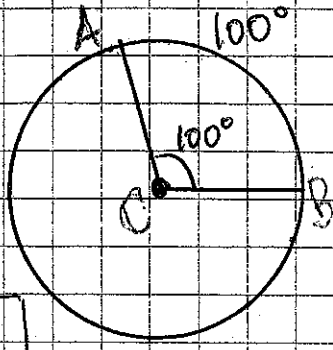


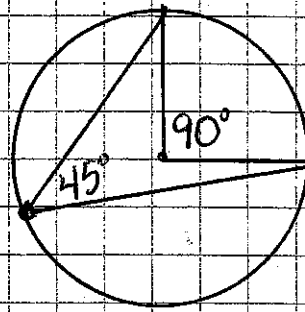
Circle Theorems: Angles

"Where is the vertex?"

"Center"

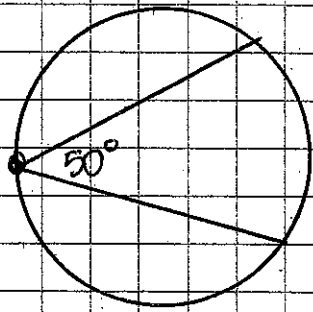


Central \angle
 $\angle ACB = m \widehat{AB}$
 $\angle = \text{arc}$

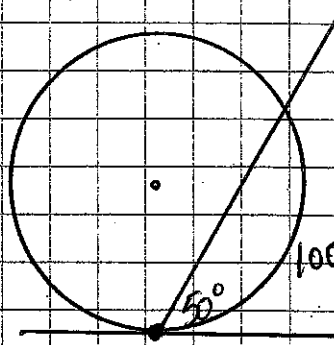


Inscribed $\angle = \frac{1}{2}$ [central \angle]

"ON" the circle

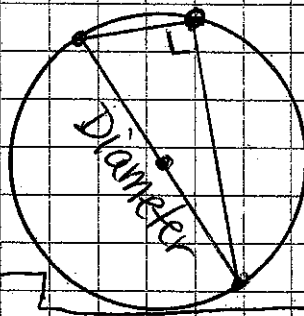


Inscribed \angle
 $\angle = \frac{1}{2} \text{arc}$

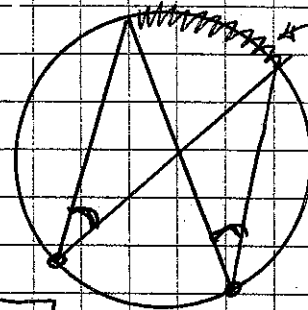


Tangent/Secant $\angle = \frac{1}{2} \text{arc}$

"IN" the circle

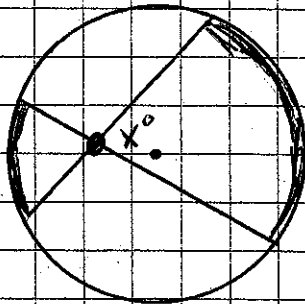


Inscribed Diameter
 90°

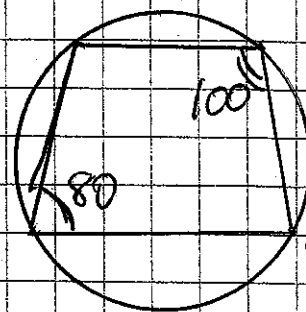


same arc
 \cong inscribed angles

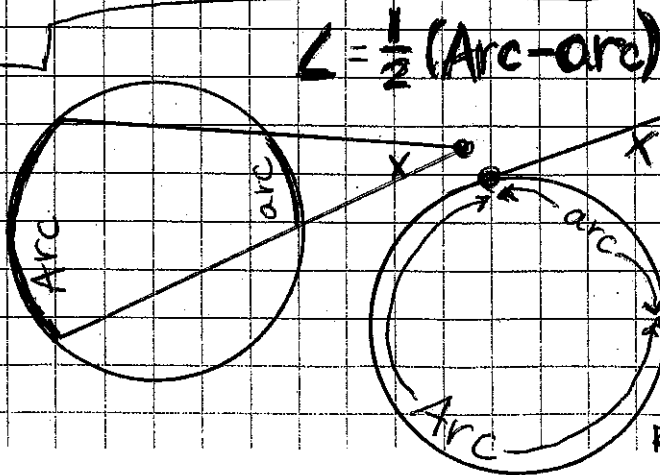
"OUT" of the circle



$\angle X$
 $\angle = \frac{1}{2} (\text{arc} + \text{arc})$

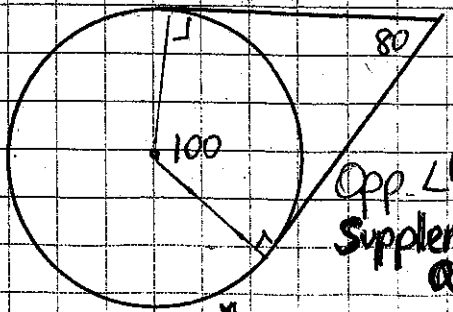


Inscribed Quadrilateral
 Opp. \angle 's
 Supplementary



$\angle = \frac{1}{2} (\text{Arc} - \text{arc})$

OR

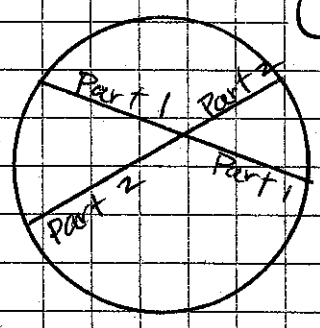
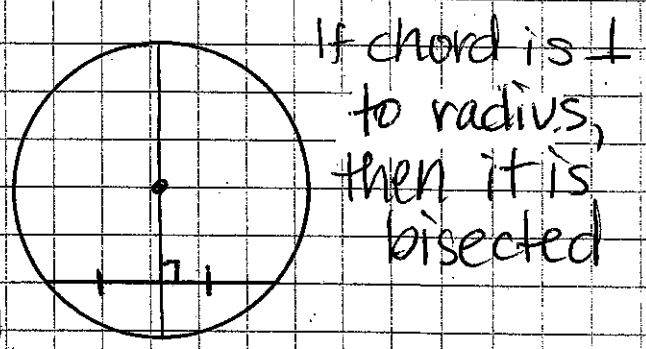
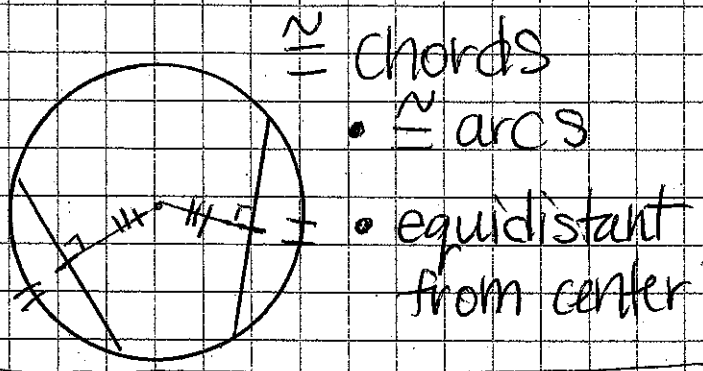
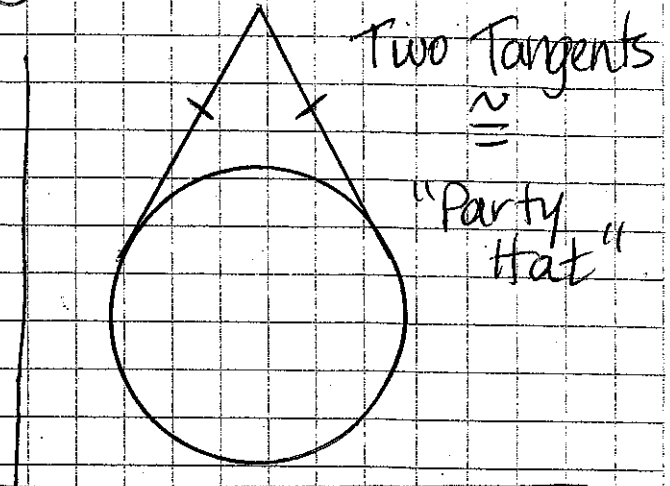
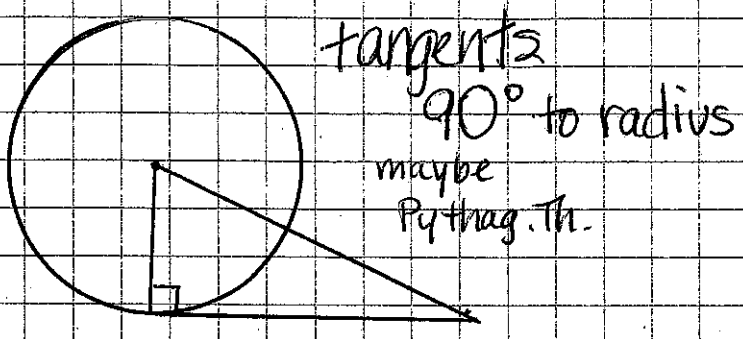


Opp. \angle 's
 Supplement-ary.

R two tangents

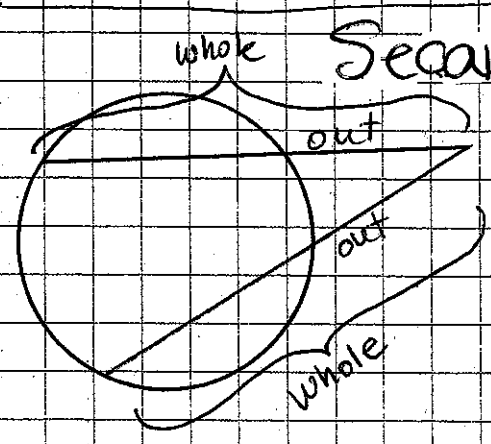
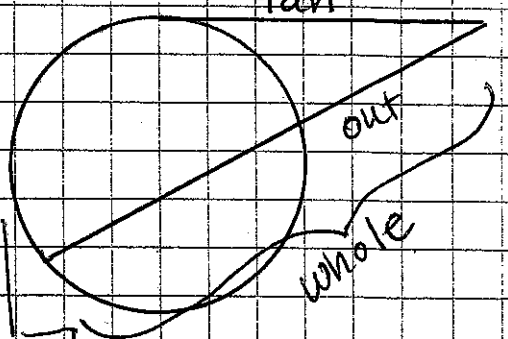
Circle Theorems: Segments

as in lengths of "Line Segments"



Chord-Chord
 $P_1 P_1 = P_2 P_2$

Tangent & Secant
 \tan^2



Secant-Secant

$O \cdot W = O \cdot W$

$O \cdot W = \tan^2$