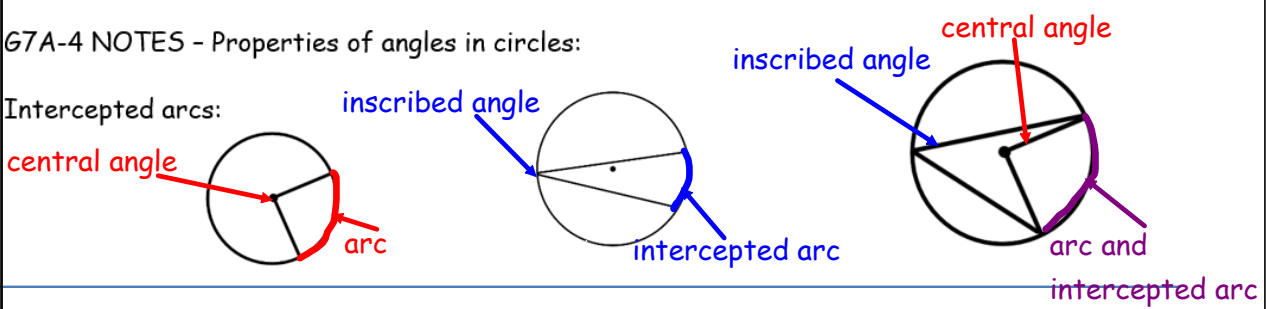


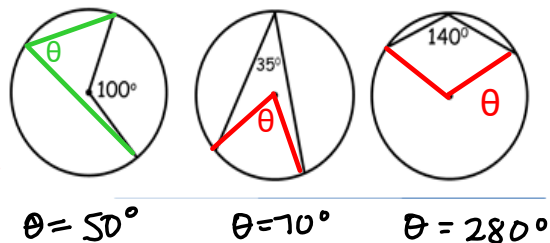
G7A-4 NOTES - Properties of angles in circles:

Intercepted arcs:



Property #1:

The measure of the **INSCRIBED ANGLE** is ALWAYS **half the measure of the central angle with the same intercepted arc.**

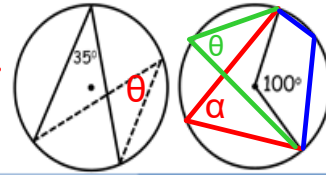


central angle --> inscribed angle -->  
 inscribed angle central angle  
 (divide by 2) (times 2)

Hint: Use a highlighter to mark the intercepted arc.

Property #2:

Inscribed angles that intercept the same arc **are congruent.**



$$\theta = 35^\circ$$

$$\theta = 50^\circ$$

$$\alpha = 50^\circ$$

Hint: Use a highlighter to mark the intercepted arc.

Property #3:

Angles inscribed in a semicircle are right angles.

(See property #1)

