## **TOPIC 17-1: INSCRIBED ANGLES**

Inscribed Angle - An angle whose vertex is on the circle, and whose sides contain chords of the circle.





intercept \_\_\_\_\_\_ or the same arc, then the angles are



EXAMPLE : In circle A,  $m \angle 1 = (6x + 11)^\circ$ ,  $m \angle 2 = (9x + 19)^\circ$ ,  $m \angle 3 = (4y - 25)^\circ$ ,  $m \angle 4 = (3y - 9)^\circ$ , and  $PQ \cong RS$ . Find  $m \angle 1$ ,  $m \angle 2$ ,  $m \angle 3$ , and  $m \angle 4$ .



## **Practice:**

Find the value of the inscribed angle.



