8.3 Properties of Angles in a Circle

Central Angle - Inscribed Angle Property
- The measure of the central angle is twice the measure of an inscribed angle subtended by the same arc.

Inscribed Angles Property
- Inscribed angles subtended by the same arc are equal.

Example 1
- \( \angle ACB = \angle ADB = \angle AEB \)
- \( \angle C = \angle D = \angle E \)
**Angles in a Semicircle Property**

Inscribed angles subtended by a semicircle are right angles.

\[ \text{Inscribed angles subtended by a semicircle are right angles} \quad = 90^\circ \]

**Problem:**

pg 411 # 3-6, 11