

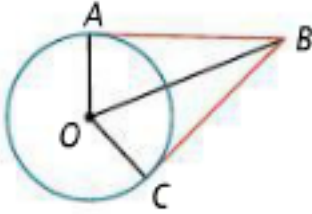
Name: \_\_\_\_\_  
 Geometry

Date: \_\_\_\_\_  
 Band: \_\_\_\_\_

**LT:** Write circle proofs.

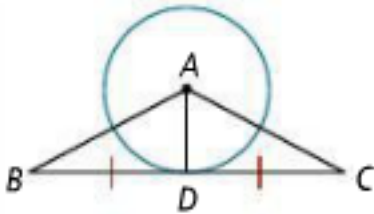
**1. Given:**  $\overline{BA}$  and  $\overline{BC}$  are tangents to  $\odot O$  at  $A$  and  $C$ , respectively.

**Prove:**  $\overline{BA} \cong \overline{BC}$



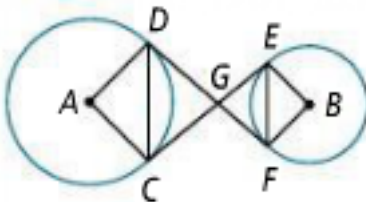
**2. Given:**  $\overline{BC}$  is tangent to  $\odot A$  at  $D$ .  $\overline{DB} \cong \overline{DC}$

**Prove:**  $\overline{AB} \cong \overline{AC}$



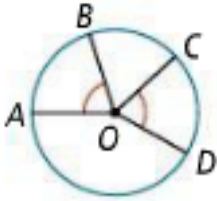
**3. Given:**  $\odot A$  and  $\odot B$  with common tangents  $\overline{DF}$  and  $\overline{CE}$

**Prove:**  $\triangle GDC \sim \triangle GFE$



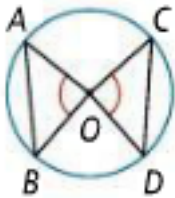
4. **Given:**  $\odot O$  with  $\angle AOB \cong \angle COD$

**Prove:**  $\overline{AB} \cong \overline{CD}$



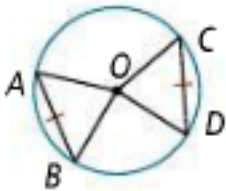
5. **Given:**  $\odot$  with  $\angle AOB \cong \angle COD$

**Prove:**  $\overline{AB} \cong \overline{CD}$



6. **Given:**  $\odot O$  with  $\overline{AB} \cong \overline{CD}$

**Prove:**  $\widehat{AB} \cong \widehat{CD}$



7. **Given:**  $\odot$  with diameter  $\overline{ED} \perp \overline{AB}$  at C

**Prove:**  $\overline{AC} \cong \overline{BC}$ ,  $\widehat{AD} \cong \widehat{BD}$

