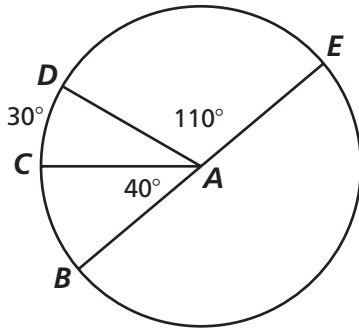


**GRADE 10 Focus on Sunshine State Standards: Benchmark Tests**  
**MA.912.G.6.4 Benchmark Pre-Test (Multiple Choice)**

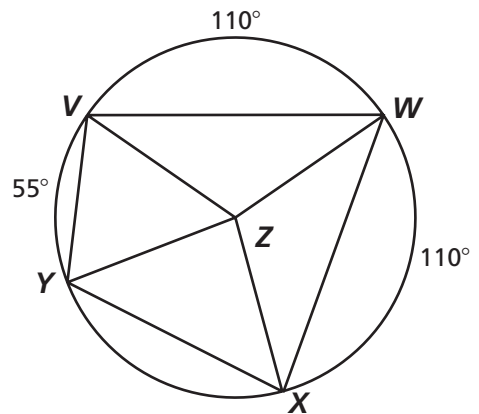
Use the figure for problems 1–4.



- On the figure above, what is the measure of  $\widehat{BC}$ ?  
 A.  $20^\circ$   
 B.  $40^\circ$   
 C.  $80^\circ$   
 D.  $140^\circ$
- On the figure above, what is the measure of  $\angle CAD$ ?  
 F.  $15^\circ$   
 G.  $30^\circ$   
 H.  $60^\circ$   
 I.  $75^\circ$
- On the figure, what is the measure of  $\widehat{BDE}$ ?  
 A.  $360^\circ$   
 B.  $270^\circ$   
 C.  $180^\circ$   
 D.  $90^\circ$

- On the figure, what is the measure of  $\angle BAD$ ?  
 F.  $30^\circ$   
 G.  $40^\circ$   
 H.  $55^\circ$   
 I.  $70^\circ$

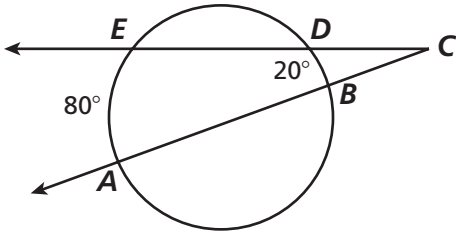
Use the figure for problems 5 and 6.



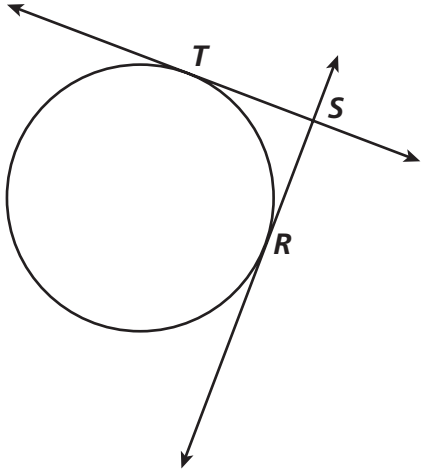
- On the figure, which inscribed angle has a measure of  $55^\circ$ ?  
 A.  $\angle WVX$   
 B.  $\angle WZV$   
 C.  $\angle XZY$   
 D.  $\angle VXY$
- On the figure, which angle has the greatest measure?  
 F.  $\angle VXY$   
 G.  $\angle WYX$   
 H.  $\angle VZW$   
 I.  $\angle YZX$

**GRADE 10** **Focus on Sunshine State Standards: Benchmark Tests**  
**MA.912.G.6.4 Benchmark Pre-Test (Gridded Response)**

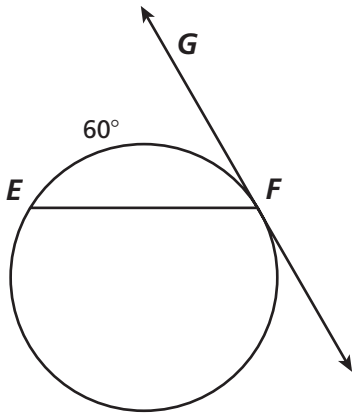
7. What is the measure in degrees of  $\angle BCD$ ?



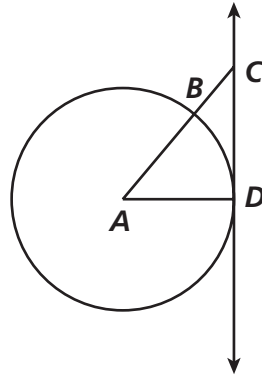
8. What is the measure in degrees of  $\angle RST$ ?



9. The measure of  $\widehat{EF}$  is  $60^\circ$ . What is the measure in degrees of  $\angle EFG$ ?



10.  $\overleftrightarrow{CD}$  is tangent to circle A where the radius  $\overline{AD}$  intersects it. If the measure of  $\widehat{BD}$  is  $50^\circ$ , what is the measure in degrees of  $\angle ACD$ ?



11. An architect is planning security lights for the outside of a circular stadium. He wants each light to illuminate the stadium so that  $m\widehat{AC} = 86^\circ$ . What is the measure in degrees of  $\angle ABC$ ?

