12-2 Standardized Test Prep
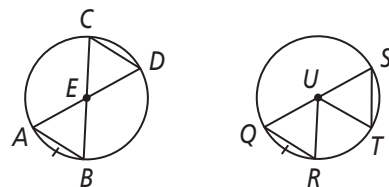## Chords and Arcs

Multiple Choice

For Exercises 1–5, choose the correct letter.
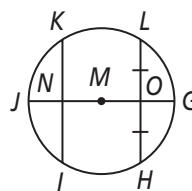
1. The circles at the right are congruent. Which conclusion can you draw?

   Ⓐ $\overline{CD} \cong \overline{ST}$ Ⓒ $\angle AEB \cong \angle QUR$

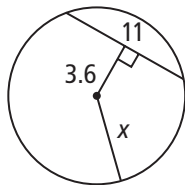   Ⓑ $\angle CED \cong \angle SUT$ Ⓓ $\overparen{BD} \cong \overparen{RT}$

2. $\overline{JG}$ is the diameter of $\odot M$. Which conclusion *cannot* be drawn from the diagram?

   Ⓕ $\overline{KN} \cong \overline{NI}$ Ⓗ $\overline{JG} \perp \overline{HL}$

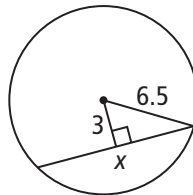   Ⓖ $\overparen{LG} \cong \overparen{GH}$ Ⓘ $\overline{GH} \cong \overline{GL}$

For Exercises 3 and 4, what is the value of x to the nearest tenth?
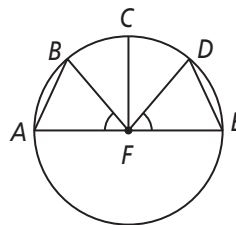
3.

   Ⓐ 4.2   Ⓒ 10.4
   Ⓑ 6.6   Ⓓ 11.6

4.

   Ⓕ 3.6   Ⓗ 11.5
   Ⓖ 5.8   Ⓘ 14.3

5. If $\angle AFB \cong \angle DFE$, what must be true?

   Ⓐ $\overparen{AB} \cong \overparen{DE}$ Ⓒ $\overline{CF} \perp \overline{AE}$

   Ⓑ $\overparen{BC} \cong \overparen{DE}$ Ⓓ $\angle BFC \cong \angle DFC$

Short Response

6. **Given:** $\odot A \cong \odot C, \overparen{DB} \cong \overparen{EB}$

   Prove: $\triangle ADB \cong \triangle CEB$