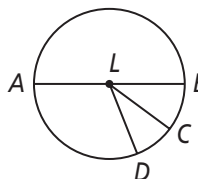# 10-6 Standardized Test Prep

Circles and Arcs

Multiple Choice

For Exercises 1–6, choose the correct letter.

For Exercises 1–3, use the figure at the right.

1. Which is a minor arc in $\odot L$?

   Ⓐ $\overset{\frown}{AB}$ Ⓒ $\overset{\frown}{ABD}$

   Ⓑ $\overset{\frown}{DB}$ Ⓓ $\overset{\frown}{CBD}$

2. Which is a major arc in $\odot L$?

   Ⓕ $\overset{\frown}{ADB}$ Ⓖ $\overset{\frown}{DBA}$ Ⓗ $\overset{\frown}{AD}$ Ⓘ $\overset{\frown}{CA}$

3. Which is a semicircle in $\odot L$?

   Ⓐ $\overset{\frown}{ADB}$ Ⓑ $\overset{\frown}{BCD}$ Ⓒ $\overset{\frown}{BC}$ Ⓓ $\overset{\frown}{ADC}$

4. What is the degree measure of $\overset{\frown}{TUR}$?

   Ⓕ 32   Ⓗ 238

   Ⓖ 122   Ⓘ 248
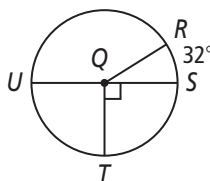
5. Which shows the circumference of $\odot Z$?

   Ⓐ 6π Ⓒ 24π

   Ⓑ 12π Ⓓ 144π
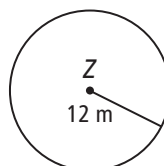
6. Which shows the length of the darkened arc?

   Ⓕ 1.5π Ⓗ 7.5π

   Ⓖ 3π Ⓘ 15π
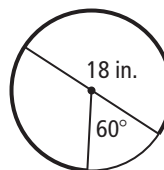
Short Response

7. The wheel of one car has a diameter of 20 in. The wheel of another car has a diameter of 24 in. About how many more revolutions must the smaller wheel make than the larger wheel to travel 100 ft?