

10.2

Practice A

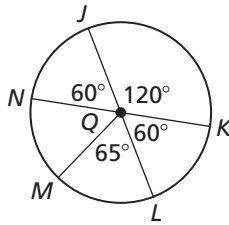
In Exercises 1–4, identify the given arc as a *major arc*, *minor arc*, or *semicircle*. Then find the measure of the arc.

1. \widehat{NM}

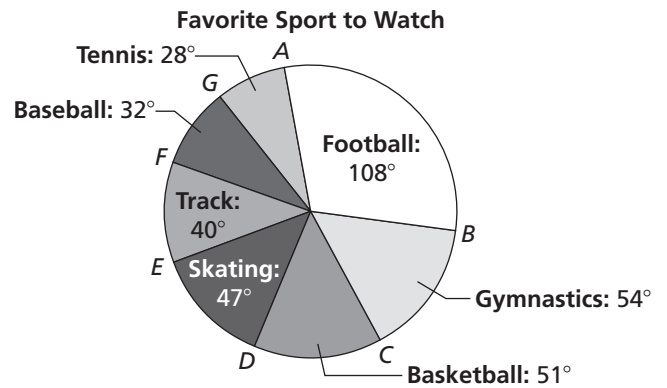
2. \widehat{JLM}

3. \widehat{NLK}

4. \widehat{LMN}



5. A recent survey asked high school girls to name the sport they like to watch the most. The results are shown in the circle graph. Find each indicated measure.



a. $m\widehat{FG}$

b. $m\widehat{EGB}$

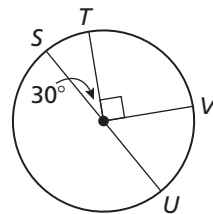
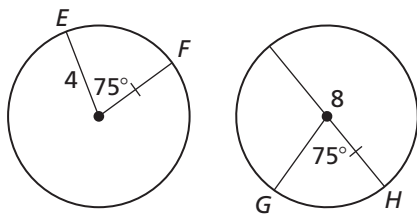
c. $m\widehat{DB}$

d. $m\widehat{ACE}$

In Exercises 6 and 7, tell whether the given arcs are congruent. Explain why or why not.

6. \widehat{EF} and \widehat{GH}

7. \widehat{STV} and \widehat{UVT}



8. Each wheel shown is divided into congruent sections. Find the measure of each arc.

