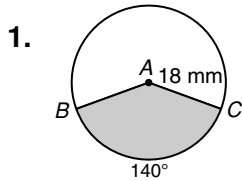


**LESSON**

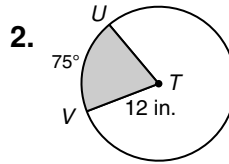
**Practice B**

**11-3 Sector Area and Arc Length**

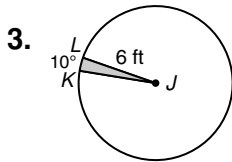
Find the area of each sector. Give your answer in terms of  $\pi$  and rounded to the nearest hundredth.



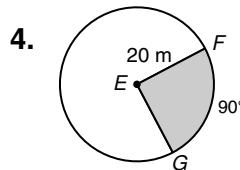
sector  $BAC$  \_\_\_\_\_



sector  $UTV$  \_\_\_\_\_



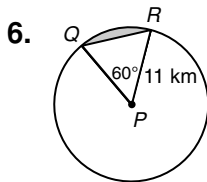
sector  $KJL$  \_\_\_\_\_



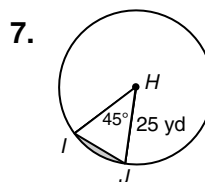
sector  $FEG$  \_\_\_\_\_

5. The speedometer needle in Ignacio's car is 2 inches long. The needle sweeps out a  $130^\circ$  sector during acceleration from 0 to 60 mi/h. Find the area of this sector. Round to the nearest hundredth. \_\_\_\_\_

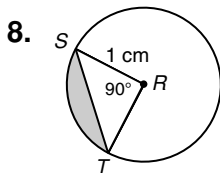
Find the area of each segment to the nearest hundredth.



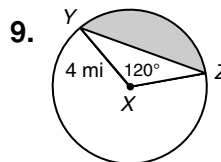
\_\_\_\_\_



\_\_\_\_\_

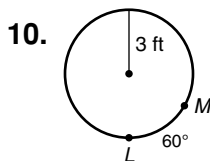


\_\_\_\_\_

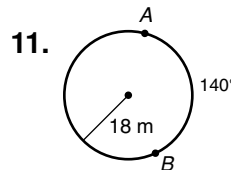


\_\_\_\_\_

Find each arc length. Give your answer in terms of  $\pi$  and rounded to the nearest hundredth.



\_\_\_\_\_



\_\_\_\_\_

12. an arc with measure  $45^\circ$  in a circle with radius 2 mi \_\_\_\_\_

13. an arc with measure  $120^\circ$  in a circle with radius 15 mm \_\_\_\_\_