

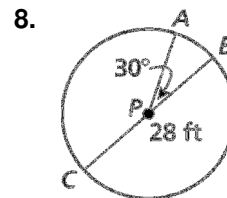
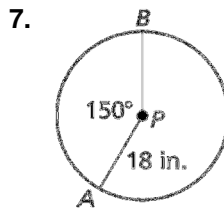
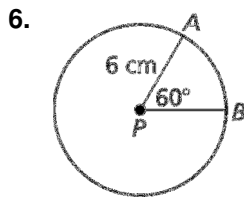
# 11.1

## Practice A

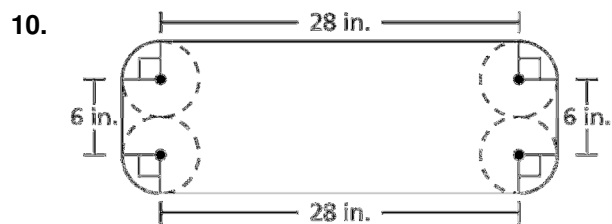
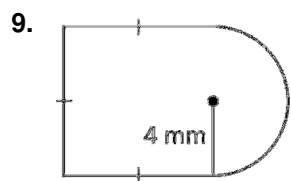
In Exercises 1–4, find the indicated measure.

1. radius of a circle with a circumference of  $42\pi$  meters
  
2. circumference of a circle with a radius of 27 feet
  
3. circumference of a circle with a diameter of 15 inches
  
4. diameter of a circle with circumference 39 centimeters
  
5. Maple trees suitable for tapping for syrup should be at least 1.5 feet in diameter. You wrap a rope around a tree trunk, then measure the length of the rope needed to wrap one time around the trunk. This length is 4 feet 2 inches. Explain how you can use this length to determine whether the tree is suitable for tapping.

In Exercises 6–8, find the arc length of  $\widehat{AB}$ .



In Exercises 9 and 10, find the perimeter of the region.



13. A carousel has a diameter of 50 feet. To the nearest foot, how far does a child seated near the outer edge travel when the carousel makes 8 revolutions?

