

# Practice 5-7

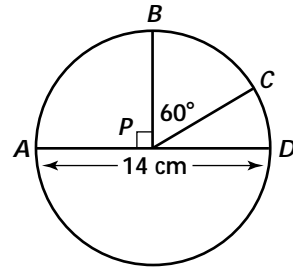
## Mixed Exercises

Find the circumference of each circle, given the radius or the diameter.  
Round your answer to the nearest tenth.

- |                  |                |                  |                |
|------------------|----------------|------------------|----------------|
| 1. $r = 8$ cm    | 2. $d = 1.7$ m | 3. $d = 2.3$ in. | 4. $r = 17$ cm |
| 5. $r = 1.75$ cm | 6. $r = 2.1$ m | 7. $d = 28$ in.  | 8. $d = 0.9$ m |

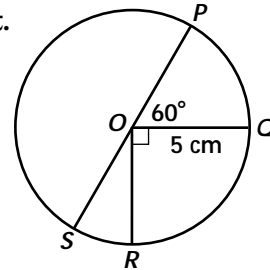
Find the length of each arc in  $\odot P$ . Leave your answer in terms of  $\pi$ .

- |                     |                     |
|---------------------|---------------------|
| 9. $\widehat{CD}$   | 10. $\widehat{AB}$  |
| 11. $\widehat{BC}$  | 12. $\widehat{BD}$  |
| 13. $\widehat{ABD}$ | 14. $\widehat{AC}$  |
| 15. $\widehat{BAD}$ | 16. $\widehat{BAC}$ |



Find the length of each arc in  $\odot O$ . Leave your answer in terms of  $\pi$ .

- |                     |                     |
|---------------------|---------------------|
| 17. $\widehat{PQ}$  | 18. $\widehat{RQ}$  |
| 19. $\widehat{QSP}$ | 20. $\widehat{RPQ}$ |
| 21. $\widehat{SR}$  | 22. $\widehat{RPS}$ |
| 23. $\widehat{PR}$  | 24. $\widehat{PRS}$ |



Find the circumference of each circle. Leave your answer in terms of  $\pi$ .

- |     |     |     |
|-----|-----|-----|
| 25. | 26. | 27. |
| 28. | 29. | 30. |

31. Two concentric circles have radii of 22 inches and 31 inches.  
By how much does the circumference of the larger circle exceed the circumference of the smaller circle?
32. The circumference of a circle is  $26\pi$ . Find the diameter and the radius.