Name _____   **Date** _____

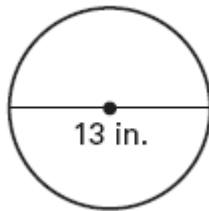## Practice B
For use with pages 746–752

Use the diagram to find the indicated measure.

1. Find the circumference.
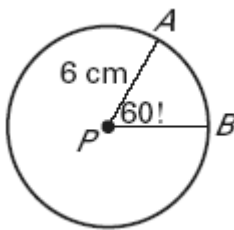
2. Find the radius.

13 in.

$C = 65.98$ cm

Find the indicated measure.

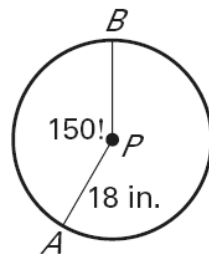3. The exact radius of a circle with circumference 42 meters

4. The exact circumference of a circle with radius 27 feet
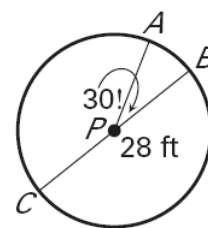
Find the length of $\widehat{AB}$.

5.

6 cm
60!
P
A
B

6.

B
150!
P
18 in.
A

7.

A
B
30!
P
28 ft
C

In $\odot D$ shown below, $\angle EDF \cong \angle FDG$. Find the indicated measure.

8. $m\widehat{EFG}$
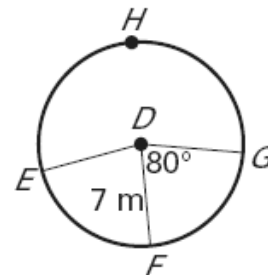9. $m\widehat{EHG}$
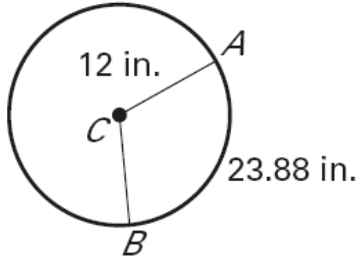10. Length of $\widehat{EFG}$
11. Length of $\widehat{EHG}$
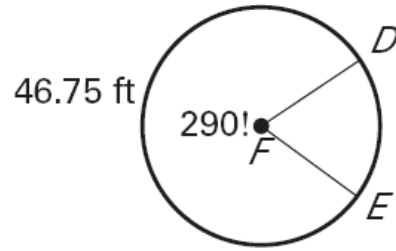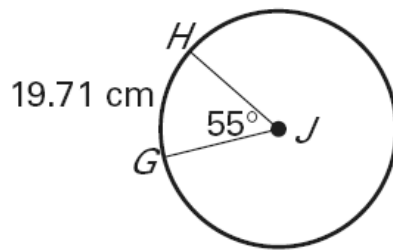12. $m\widehat{EHF}$
13. Length of $\widehat{FEG}$

H
D
E
80°
G
7 m
F

Find the indicated measure.

14. $m\widehat{AB}$

12 in.
23.88 in.

15. Circumference of $\odot F$

46.75 ft
290!

16. Radius of $\odot J$

19.71 cm
55°

Find the perimeter of the region.

17.

5 mm

18.

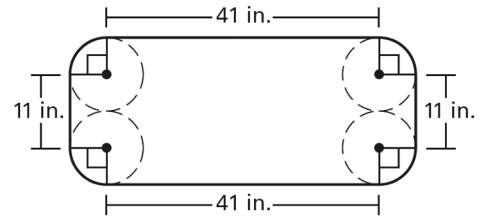41 in.
11 in.
11 in.
41 in.
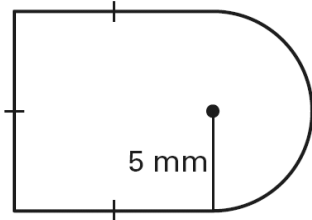
19. The chain of a bicycle travels along the front and rear sprockets, as shown. The circumference of each sprocket is given.

   a. About how long is the chain?

   b. On a chain, the teeth are spaced in ½ inch intervals. About how many teeth are there on this chain?

10 in.
160!
185!
10 in.
rear sprocket
$C = 12$ in.
front sprocket
$C = 20$ in.