

11.1

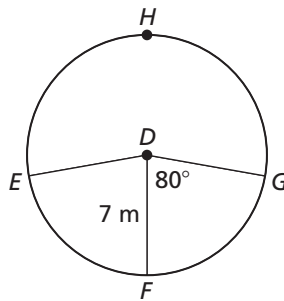
Practice B

In Exercises 1 and 2, find the indicated measure.

- exact diameter of a circle with a circumference of 36 meters
- exact circumference of a circle with a radius of 5.4 feet
- Find the circumference of a circle inscribed in a square with a side length of 14 centimeters.

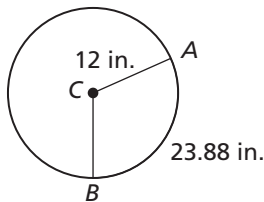
In Exercises 4–9, use the diagram of circle D with $\angle EDF \cong \angle FDG$ to find the indicated measure.

- $m\widehat{EFG}$
- $m\widehat{EHG}$
- arc length of \widehat{EFG}
- arc length of \widehat{EHG}
- $m\widehat{EHF}$
- arc length of \widehat{FEG}

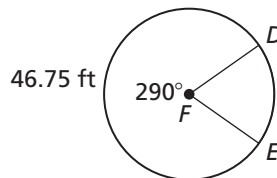


In Exercises 10–12, find the indicated measure.

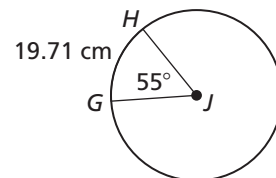
10. $m\widehat{AB}$



11. circumference of $\odot F$



12. radius of $\odot J$



In Exercises 13 and 14, convert the angle measure.

13. Convert 105° to radians.

14. Convert $\frac{5\pi}{6}$ radians to degrees.

15. The chain of a bicycle travels along the front and rear sprockets, as shown in the figure. The circumferences of the rear sprocket and the front sprocket are 12 inches and 20 inches, respectively.

- How long is the chain? Round your answer to the nearest tenth.
- On a chain, the teeth are spaced in $\frac{1}{2}$ -inch intervals. About how many teeth are there on this chain?

