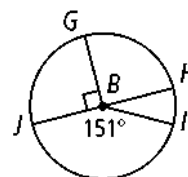


11/1-3 Practice Arc Length, Radian, Sector Area Form G

Circles and Arcs

Find the measure of each arc in $\odot B$.

1. \widehat{GJ} 2. \widehat{HI} 3. \widehat{HIJ}
 4. \widehat{GJI} 5. \widehat{GHJ} 6. \widehat{GJH}

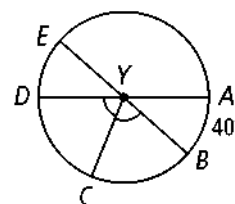


Find the length of each darkened arc. Leave your answer in terms of π .

7. 8. 9.
 10. 11. 12.

Find each indicated measure for $\odot Y$.

13. $m\angle EYD$ 14. $m\widehat{EAB}$ 15. $m\widehat{DB}$
 16. $m\angle DYC$ 17. $m\widehat{AEC}$ 18. $m\widehat{BDA}$

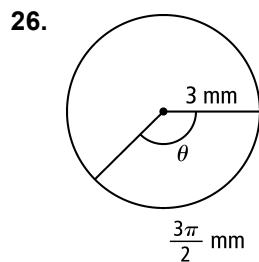
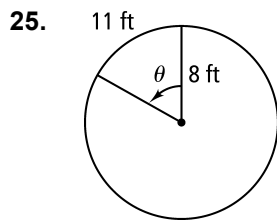
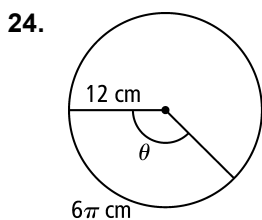


19. Kiley's in-line skate wheels have a 43-mm diameter. How many meters will Kiley travel after 5000 revolutions of the wheels on her in-line skates? Round your answer to the nearest tenth of a meter.
20. It is 5:00. What is the measure of the minor arc formed by the hands of an analog clock?

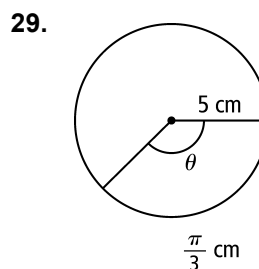
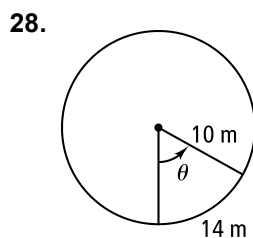
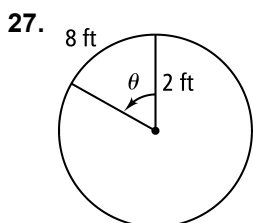
Algebra Find the value of each variable.

21. 22. 23.

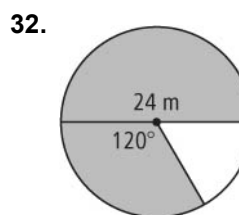
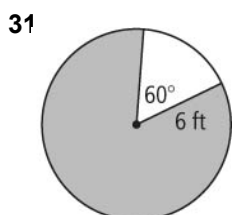
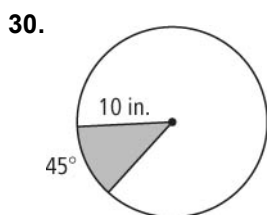
The radius and arc length are given. Find the radian measure of the central angle.



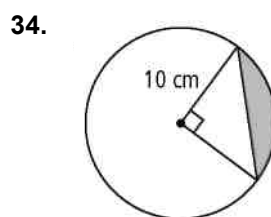
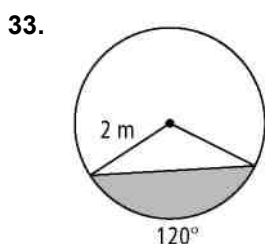
The radius and arc length are given. Find the radian measure of the central angle.



Find the area of each shaded sector of a circle. Leave your answer in terms of π .



Find the area of each shaded segment. Round your answer to the nearest tenth.



Find the area of the shaded region. Leave your answer in terms of π and in simplest radical form.

