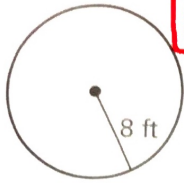


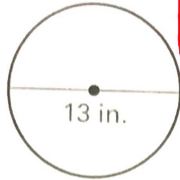
31.13

1. Find the circumference.



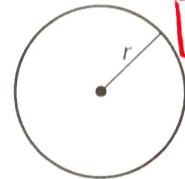
50.27

2. Find the circumference.



40.84

3. Find the radius.



10.50

$C = 65.98$ cm

Find the indicated measure.

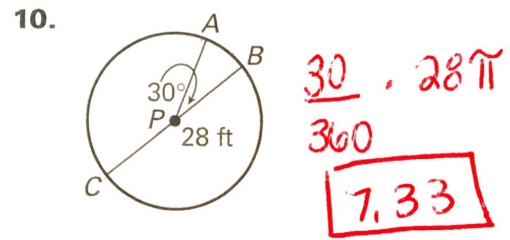
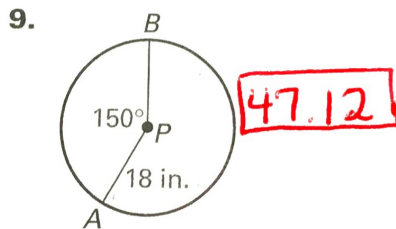
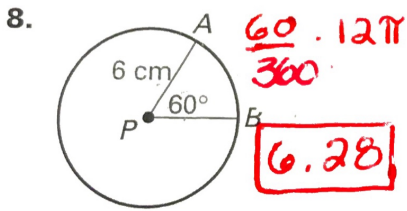
4. The exact radius of a circle with circumference 42 meters $21\pi \approx 65.97$

5. The exact diameter of a circle with circumference 39 centimeters $\frac{39}{\pi} \approx 12.41$

6. The exact circumference of a circle with diameter 15 inches $5\pi \approx 47.12$

7. The exact circumference of a circle with radius 27 feet $54\pi \approx 169.65$

Find the length of \widehat{AB} .



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

11. $m\widehat{EFG}$ 160°

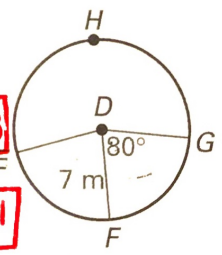
12. $m\widehat{EHG}$ 200°

13. Length of \widehat{EFG} 19.55

14. Length of \widehat{EHG} $\frac{200}{360} \cdot 14\pi = 24.43$

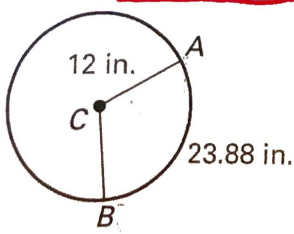
15. $m\widehat{EHF}$ 280°

16. Length of \widehat{FEG} $\frac{280}{360} \cdot 14\pi = 34.21$

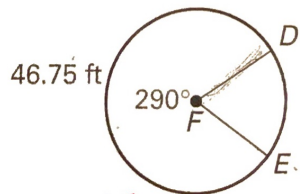


Find the indicated measure.

17. $m\widehat{AB}$ 114.02



18. Circumference of $\odot F$



$$\frac{46.75}{x} = \frac{290}{360}$$

$x = 58.03$

19. Radius of $\odot J$ 20.53

