Name _____ Class _____ Date _____

13-3 Practice

Form G

Radian Measure

Write each measure in radians. Express your answer in terms of π and as a decimal rounded to the nearest hundredth.

1. $45°$
2. $90°$
3. $30°$
4. $-150°$
5. $180°$
6. $-240°$
7. $270°$
8. $300°$

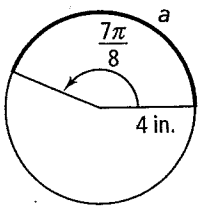
Write each measure in degrees. Round your answer to the nearest degree, if necessary.

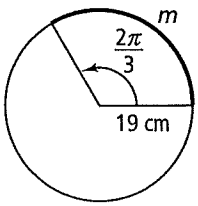
9. $\frac{\pi}{6}$ radians
10. $-\frac{7\pi}{6}$ radians
11. $\frac{7\pi}{4}$ radians
12. -4 radians
13. 1.8 radians
14. 0.45 radians

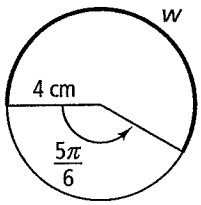
The measure θ of an angle in standard position is given. Find the exact values of $\cos\theta$ and $\sin\theta$ for each angle measure.

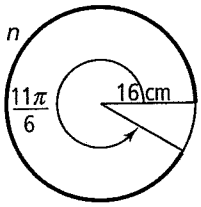
15. $\frac{\pi}{6}$
16. $\frac{\pi}{3}$
17. $-\frac{3\pi}{4}$
18. $\frac{7\pi}{4}$
19. $\frac{11\pi}{6}$
20. $-\frac{2\pi}{3}$

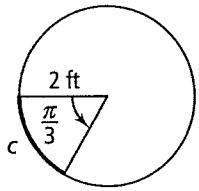
Use each circle to find the length of the indicated arc. Round your answer to the nearest tenth.

21. 

22. 

23. 

24. 

25. 

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