

Name:

Period:

Date:

Practice Worksheet: Radian and Degree MeasureChange each degree measure to radian measure in terms of π . EXACT ANSWERS, DO NOT ROUND. Show your work.

1. 36°	2. -250°	3. -145°
4. 870°	5. 18°	6. -820°

Change each radian measure to degree measure. Round to ONE DECIMAL place if needed. Show your work.

7. $\frac{13\pi}{30}$	8. 4π	9. $-\frac{2\pi}{5}$
10. $\frac{3\pi}{16}$	11. $-\frac{7\pi}{9}$	12. -1

Determine the quadrant in which the terminal side of the angle lies. Make a quick sketch to justify your answer. If the angle is given in degrees, work in degrees; if the angle is given in radians, work in radians.

13. -156°	14. 371°	15. $-\frac{5\pi}{3}$
16. -210°	17. $\frac{7\pi}{4}$	18. $\frac{7\pi}{6}$

Find one positive angle and one negative angle coterminal with the given angle. Show your work. If the angle is given in degrees, work in degrees; if the angle is given in radians, work in radians.

19. 70°	20. 179°	21. -210°
22. $\frac{\pi}{6}$	23. $\frac{7\pi}{6}$	24. $-\frac{3\pi}{4}$

Find the complement and supplement (if possible) of each angle. Show your work. If the angle is given in degrees, work in degrees; if the angle is given in radians, work in radians.

25. 18°	26. 85°	27. 315°
28. $\frac{2\pi}{5}$	29. $\frac{4\pi}{5}$	30. $\frac{\pi}{12}$