

Advanced Algebra/Trigonometry
5.1 - 5.3 Review

Name _____

Change to a decimal degree.

1. $34^{\circ}29'10''$

2. $75^{\circ}35'12''$

Change to degrees/minutes/seconds

3. 16.32°

4. 45.95°

Change to radian measure in terms of π .

5. 157.5°

6. 32°

7. 45°

8. 180°

Change to degree measure.

9. $\frac{7\pi}{8}$

10. $-\frac{4\pi}{3}$

11. 4.76

12. 4

Find one positive and one negative coterminal angle for the given angle.

13. $\frac{13\pi}{4}$

14. $-\frac{11\pi}{6}$

15. 240°

16. -135°

Determine the quadrant in which the terminal side lies for the given angles.

17. -150°

18. 405°

19. $\frac{4\pi}{3}$

20. $-\frac{7\pi}{12}$

21. 3.2

22. 1.5

Given the radian measure of a central angle, find the measure of its intercepted arc in a circle of radius 5 inches.

23. $\frac{4\pi}{3}$

24. 2.4

Given the measure of a central angle, find the measure of its intercepted arc in a circle of radius 30 cm.

25. 42°

26. 120°