

Precalculus
6.2 Homework
Odd Answers

1. $x = \pi k$

3. $x = \frac{3\pi}{4} + \pi k$

5. $x = \frac{5\pi}{6} + 2\pi k$ or $x = \frac{7\pi}{6} + 2\pi k$

7. $x = 30^\circ + 360^\circ k$ or $x = 150^\circ + 360^\circ k$

9. $\alpha = 60^\circ + 360^\circ k$ or $\alpha = 120^\circ + 360^\circ k$

11. $\{29.2^\circ, 330.8^\circ\}$

13. $\{79.5^\circ, 259.5^\circ\}$

15. $\{2.75, 5.90\}$

17. $x = \frac{2\pi}{3} + 4\pi k$ or $x = \frac{10\pi}{3} + 4\pi k$

19. $x = \frac{\pi}{3} + 4\pi k$ or $x = \frac{5\pi}{3} + 4\pi k$

21. $x = \frac{\pi}{6} + \frac{\pi}{2}k$

23. $\{60^\circ, 240^\circ, 120^\circ, 300^\circ\}$

25. $\{15^\circ, 75^\circ, 135^\circ, 195^\circ, 255^\circ, 315^\circ\}$

27. $\left\{\frac{\pi}{8}, \frac{9\pi}{8}, \frac{7\pi}{8}, \frac{15\pi}{8}\right\}$

29. $\alpha = 6.6^\circ + 120^\circ k$ or $\alpha = 53.4^\circ + 120^\circ k$

31. 12.5° and 77.5° . The smaller angle is 6.3 seconds faster.