

Trig #2

Pre Calc

Change degrees to radians.

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|--------------------|-----------------|--------------------|------------------|
| 1. 360° | 2. 270° | 3. -90° | 4. 30° |
| 5. -60° | 6. 225° | 7. 120° | 8. -210° |
| 9. 240° | 10. -32° | 11. $27^\circ 30'$ | 12. 6° |
| 13. $13^\circ 45'$ | 14. 420° | 15. $0^\circ 30'$ | 16. -390° |

Change radians to degrees.

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|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 17. $\frac{\pi}{3}$ | 18. $\frac{\pi}{2}$ | 19. $-\frac{3\pi}{2}$ | 20. $-\pi$ | 21. $\frac{\pi}{6}$ |
| 22. $\frac{5\pi}{6}$ | 23. $\frac{2\pi}{3}$ | 24. $\frac{5\pi}{3}$ | 25. $\frac{7\pi}{6}$ | 26. $-\frac{7\pi}{4}$ |
| 27. 4π | 28. -7π | 29. $\frac{5\pi}{2}$ | 30. $-\frac{9\pi}{2}$ | 31. $\frac{\pi}{4}$ |
| 32. $\frac{3\pi}{4}$ | 33. $-\frac{5\pi}{3}$ | 34. $\frac{\pi}{12}$ | 35. $\frac{13\pi}{2}$ | 36. $-\frac{4\pi}{3}$ |

Find exact values for each of the following.

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|----------------------------|--|----------------------------|
| 37. $\sin \frac{3\pi}{2}$ | 38. $\cos \frac{5\pi}{3}$ | 39. $\sin \frac{4\pi}{3}$ |
| 40. $\tan \frac{2\pi}{3}$ | 41. $\sin \frac{\pi}{2}$ | 42. $\cos \pi$ |
| 43. $\sec \frac{5\pi}{6}$ | 44. $\tan \frac{7\pi}{4}$ | 45. $\csc \frac{7\pi}{6}$ |
| 46. $\cos \frac{3\pi}{4}$ | 47. $\sin \left(-\frac{\pi}{2}\right)$ | 48. $\tan(-\pi)$ |
| 49. $\cos -\frac{5\pi}{4}$ | 50. $\sec \frac{\pi}{6}$ | 51. $\cos \frac{11\pi}{6}$ |