

Give **exact** value for the following:

1. $\tan 2\pi =$	18. $\cos \frac{7\pi}{6} =$	35. $\cos \frac{3\pi}{2} =$
2. $\tan \pi =$	19. $\tan \frac{3\pi}{2} =$	36. $\tan \frac{\pi}{4} =$
3. $\tan \frac{\pi}{6} =$	20. $\sin \frac{5\pi}{4} =$	37. $\tan \frac{7\pi}{6} =$
4. $\sin \frac{11\pi}{6} =$	21. $\cos \frac{5\pi}{4} =$	38. $\sin \frac{\pi}{2} =$
5. $\sin \frac{7\pi}{4} =$	22. $\tan \frac{5\pi}{6} =$	39. $\cos \frac{3\pi}{4} =$
6. $\cos \frac{5\pi}{3} =$	23. $\tan 0 =$	40. $\sin \pi =$
7. $\sin \frac{2\pi}{3} =$	24. $\cos 0 =$	41. $\sin \frac{5\pi}{6} =$
8. $\cos \frac{4\pi}{3} =$	25. $\sin \frac{3\pi}{4} =$	42. $\cos 2\pi =$
9. $\cos \frac{\pi}{6} =$	26. $\cos \frac{\pi}{2} =$	43. $\sin \frac{\pi}{3} =$
10. $\tan \frac{\pi}{2} =$	27. $\tan \frac{3\pi}{4} =$	44. $\cos \frac{11\pi}{6} =$
11. $\cos \frac{\pi}{4} =$	28. $\sin \frac{\pi}{6} =$	45. $\sin \frac{\pi}{4} =$
12. $\cos \frac{\pi}{3} =$	29. $\tan \frac{\pi}{3} =$	46. $\tan \frac{2\pi}{3} =$
13. $\sin \frac{3\pi}{2} =$	30. $\sin \frac{7\pi}{6} =$	47. $\tan \frac{4\pi}{3} =$
14. $\tan \frac{11\pi}{6} =$	31. $\tan \frac{5\pi}{3} =$	48. $\cos \frac{5\pi}{6} =$
15. $\cos \frac{2\pi}{3} =$	32. $\sin \frac{5\pi}{3} =$	49. $\sin \frac{4\pi}{3} =$
16. $\sin 0 =$	33. $\cos \pi =$	50. $\cos \frac{7\pi}{4} =$
17. $\tan \frac{7\pi}{4} =$	34. $\sin 2\pi =$	51. $\tan \frac{5\pi}{4} =$

Trigonometry Special Angle Radian Practice 5
Cosecant, Secant, Cotangent

Name _____

Give **exact** value for the following:

1. $\csc \frac{5\pi}{6} =$	18. $\sec \frac{3\pi}{4} =$	35. $\csc \frac{7\pi}{4} =$
2. $\sec 2\pi =$	19. $\cot \frac{3\pi}{2} =$	36. $\sec \frac{5\pi}{3} =$
3. $\cot \frac{\pi}{6} =$	20. $\csc \frac{\pi}{2} =$	37. $\cot \frac{7\pi}{6} =$
4. $\csc \frac{11\pi}{6} =$	21. $\sec \frac{5\pi}{4} =$	38. $\csc \frac{5\pi}{4} =$
5. $\sec \frac{3\pi}{2} =$	22. $\cot \frac{5\pi}{6} =$	39. $\sec \frac{7\pi}{6} =$
6. $\cot \frac{\pi}{4} =$	23. $\cot 0 =$	40. $\csc \pi =$
7. $\csc \frac{2\pi}{3} =$	24. $\sec \frac{\pi}{3} =$	41. $\cot 2\pi =$
8. $\sec \frac{4\pi}{3} =$	25. $\csc \frac{3\pi}{4} =$	42. $\cot \pi =$
9. $\sec \frac{\pi}{6} =$	26. $\sec \frac{\pi}{2} =$	43. $\csc \frac{\pi}{3} =$
10. $\cot \frac{\pi}{2} =$	27. $\cot \frac{3\pi}{4} =$	44. $\sec \frac{11\pi}{6} =$
11. $\csc 2\pi =$	28. $\csc \frac{\pi}{6} =$	45. $\csc \frac{\pi}{4} =$
12. $\sec 0 =$	29. $\cot \frac{\pi}{3} =$	46. $\cot \frac{2\pi}{3} =$
13. $\csc \frac{3\pi}{2} =$	30. $\csc \frac{7\pi}{6} =$	47. $\sec \frac{\pi}{4} =$
14. $\cot \frac{11\pi}{6} =$	31. $\cot \frac{7\pi}{4} =$	48. $\sec \frac{5\pi}{6} =$
15. $\sec \frac{2\pi}{3} =$	32. $\csc 0 =$	49. $\csc \frac{4\pi}{3} =$
16. $\csc \frac{5\pi}{3} =$	33. $\cot \frac{5\pi}{4} =$	50. $\sec \frac{7\pi}{4} =$
17. $\cot \frac{5\pi}{3} =$	34. $\cot \frac{4\pi}{3} =$	51. $\sec \pi =$

Give **exact** value for the following:

1. $\csc 0 =$	18. $\sin \frac{3\pi}{2} =$	35. $\sin \frac{5\pi}{4} =$
2. $\cot \frac{\pi}{3} =$	19. $\sec \pi =$	36. $\cot \pi =$
3. $\tan \frac{5\pi}{6} =$	20. $\sin \frac{\pi}{4} =$	37. $\sin \frac{5\pi}{6} =$
4. $\sec \frac{\pi}{2} =$	21. $\cot \frac{5\pi}{6} =$	38. $\tan \frac{\pi}{3} =$
5. $\cot 0 =$	22. $\tan \frac{11\pi}{6} =$	39. $\sec \frac{\pi}{6} =$
6. $\sec \frac{4\pi}{3} =$	23. $\csc \frac{\pi}{4} =$	40. $\cos \frac{2\pi}{3} =$
7. $\cos \frac{7\pi}{6} =$	24. $\csc \frac{3\pi}{2} =$	41. $\sec \frac{11\pi}{6} =$
8. $\csc \frac{7\pi}{6} =$	25. $\tan 0 =$	42. $\cos \frac{\pi}{4} =$
9. $\cos 2\pi =$	26. $\sin \frac{5\pi}{3} =$	43. $\sin \pi =$
10. $\tan \frac{2\pi}{3} =$	27. $\tan \frac{\pi}{6} =$	44. $\sec \frac{\pi}{3} =$
11. $\csc \frac{5\pi}{3} =$	28. $\sin \frac{7\pi}{6} =$	45. $\sin \frac{11\pi}{6} =$
12. $\cot \frac{7\pi}{6} =$	29. $\sec 0 =$	46. $\cot \frac{\pi}{2} =$
13. $\cot \frac{5\pi}{4} =$	30. $\tan \frac{5\pi}{3} =$	47. $\cot \frac{\pi}{4} =$
14. $\sec \frac{5\pi}{6} =$	31. $\sec \frac{7\pi}{6} =$	48. $\csc \pi =$
15. $\cos \frac{\pi}{3} =$	32. $\tan \frac{7\pi}{4} =$	49. $\csc \frac{\pi}{3} =$
16. $\cos \frac{3\pi}{4} =$	33. $\tan 2\pi =$	50. $\cos \frac{5\pi}{6} =$
17. $\cos \frac{3\pi}{2} =$	34. $\csc \frac{5\pi}{6} =$	51. $\sin \frac{3\pi}{4} =$