

Corrective Assignment

EXACT VALUE = TABLE

Use the table to find the EXACT value.			
1. $\csc 210^\circ$	2. $\sin \frac{3\pi}{4}$	3. $\cot\left(-\frac{5\pi}{6}\right)$	4. $\sec(-180^\circ)$
5. $\sin 330^\circ$	6. $\sin \frac{5\pi}{4}$	7. $\tan 1125^\circ$	8. $\cot -\frac{25\pi}{6}$
9. $\csc -120^\circ$	10. $\cos -1260^\circ$	11. $\sec -1050^\circ$	12. $\tan \frac{3\pi}{2}$
Use the table to find the angle where $0^\circ \leq \theta \leq 360^\circ$.			
13. $\cos \theta = -\frac{\sqrt{3}}{2}$	14. $\csc \theta = \sqrt{2}$	15. $\sec \theta = \text{undefined}$	16. $\sin \theta = \frac{\sqrt{2}}{2}$
17. $\csc \theta = -1$	18. $\csc \theta = \frac{2\sqrt{3}}{3}$	19. $\cos \theta = 0$	20. $\cot \theta = \sqrt{3}$
21. $\csc \theta = -2$	22. $\sec \theta = -\frac{2\sqrt{3}}{3}$	23. $\tan \theta = -\sqrt{3}$	24. $\cot \theta = \frac{\sqrt{3}}{3}$

APPROXIMATE VALUE = CALCULATOR

Round to the nearest hundredth!

Use the calculator to find the APPROXIMATE value of each.			
25. $\csc 70^\circ$	26. $\cot -115^\circ$	27. $\sec 140^\circ$	28. $\sin 56^\circ$
29. $\sin \frac{5\pi}{18}$	30. $\tan -\frac{7\pi}{12}$	31. $\cot \frac{23\pi}{25}$	32. $\cot \frac{4\pi}{5}$
33. $\csc \frac{\pi}{11}$	34. $\sec -214^\circ$	35. $\csc \frac{5\pi}{7}$	36. $\sin 4^\circ$

Use the calculator to find each angle where $0^\circ \leq \theta \leq 360^\circ$. Round to the nearest hundredth.

37. $\cos \theta = -0.788$	38. $\sec \theta = 1.236$	39. $\tan \theta = 0.487732$
40. $\sec \theta = -1.13257$	41. $\cot \theta = -0.9004$	42. $\csc \theta = 1.28$
43. $\sin \theta = -0.35$	44. $\tan \theta = -1.81$	45. $\csc \theta = -1.92$

ANSWERS TO 9.3 CORRECTIVE ASSIGNMENT

1. -2	2. $\frac{\sqrt{2}}{2}$	3. $\sqrt{3}$	4. -1	5. $-\frac{1}{2}$
6. $-\frac{\sqrt{2}}{2}$	7. 1	8. $-\sqrt{3}$	9. $-\frac{2\sqrt{3}}{3}$	10. -1
11. $\frac{2\sqrt{3}}{3}$	12. undefined	13. $150^\circ, 210^\circ$	14. $45^\circ, 135^\circ$	15. $90^\circ, 270^\circ$
16. $45^\circ, 135^\circ$	17. 270°	18. $60^\circ, 120^\circ$	19. $90^\circ, 270^\circ$	20. $30^\circ, 210^\circ$
21. $210^\circ, 330^\circ$	22. $150^\circ, 210^\circ$	23. $120^\circ, 300^\circ$	24. $60^\circ, 240^\circ$	25. 1.06
26. 0.47	27. -1.31	28. 0.83	29. 0.766	30. 3.73
31. -3.89	32. -1.38	33. 3.55	34. -1.21	35. 1.28
36. 0.07	37. $142^\circ, 218^\circ$	38. $36^\circ, 324^\circ$	39. $26^\circ, 206^\circ$	40. $152^\circ, 208^\circ$
41. $132^\circ, 312^\circ$	42. $51.38^\circ, 128.62^\circ$	43. $200.49^\circ, 339.51^\circ$	44. $118.92^\circ, 298.92^\circ$	45. $211.39^\circ, 328.61^\circ$