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|--|---|---|
| 1. $\sin 480^\circ$                    | 11. $\csc\left(\frac{19\pi}{4}\right)$  | 21. $\tan\left(-\frac{17\pi}{6}\right)$ |
| 2. $\cos 570^\circ$                    | 12. $\cot\left(\frac{29\pi}{6}\right)$  | 22. $\sec\left(-\frac{21\pi}{4}\right)$ |
| 3. $\tan 690^\circ$                    | 13. $\sin(-600^\circ)$                  | 23. $\csc\left(-\frac{25\pi}{6}\right)$ |
| 4. $\sec 405^\circ$                    | 14. $\cos(-675^\circ)$                  | 24. $\cot\left(-\frac{29\pi}{6}\right)$ |
| 5. $\csc 750^\circ$                    | 15. $\tan(-810^\circ)$                  | 25. $\sin 1125^\circ$                   |
| 6. $\cot 840^\circ$                    | 16. $\sec(-570^\circ)$                  | 26. $\cos 1200^\circ$                   |
| 7. $\sin\left(\frac{13\pi}{6}\right)$  | 17. $\csc(-495^\circ)$                  | 27. $\tan 1305^\circ$                   |
| 8. $\cos\left(\frac{17\pi}{4}\right)$  | 18. $\cot(-660^\circ)$                  | 28. $\sec 1350^\circ$                   |
| 9. $\tan\left(\frac{23\pi}{3}\right)$  | 19. $\sin\left(-\frac{11\pi}{3}\right)$ | 29. $\csc 1500^\circ$                   |
| 10. $\sec\left(\frac{25\pi}{6}\right)$ | 20. $\cos\left(-\frac{13\pi}{4}\right)$ | 30. $\cot 1575^\circ$                   |

### ANSWERS

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|---------------------------|----------------------------|----------------------------|
| 1. $\frac{\sqrt{3}}{2}$   | 11. $\sqrt{2}$             | 21. $\frac{\sqrt{3}}{3}$   |
| 2. $-\frac{\sqrt{3}}{2}$  | 12. $\sqrt{3}$             | 22. $\sqrt{2}$             |
| 3. $-\frac{\sqrt{3}}{3}$  | 13. $\frac{\sqrt{3}}{2}$   | 23. $-2$                   |
| 4. $\sqrt{2}$             | 14. $-\frac{\sqrt{2}}{2}$  | 24. $\sqrt{3}$             |
| 5. $2$                    | 15. $1$                    | 25. $-\frac{\sqrt{2}}{2}$  |
| 6. $\frac{\sqrt{3}}{3}$   | 16. $-\frac{2\sqrt{3}}{3}$ | 26. $-\frac{1}{2}$         |
| 7. $\frac{1}{2}$          | 17. $-\sqrt{2}$            | 27. $1$                    |
| 8. $\frac{\sqrt{2}}{2}$   | 18. $\frac{\sqrt{3}}{3}$   | 28. $-\sqrt{2}$            |
| 9. $\sqrt{3}$             | 19. $\frac{\sqrt{3}}{2}$   | 29. $-\frac{2\sqrt{3}}{3}$ |
| 10. $\frac{2\sqrt{3}}{3}$ | 20. $-\frac{\sqrt{2}}{2}$  | 30. $1$                    |