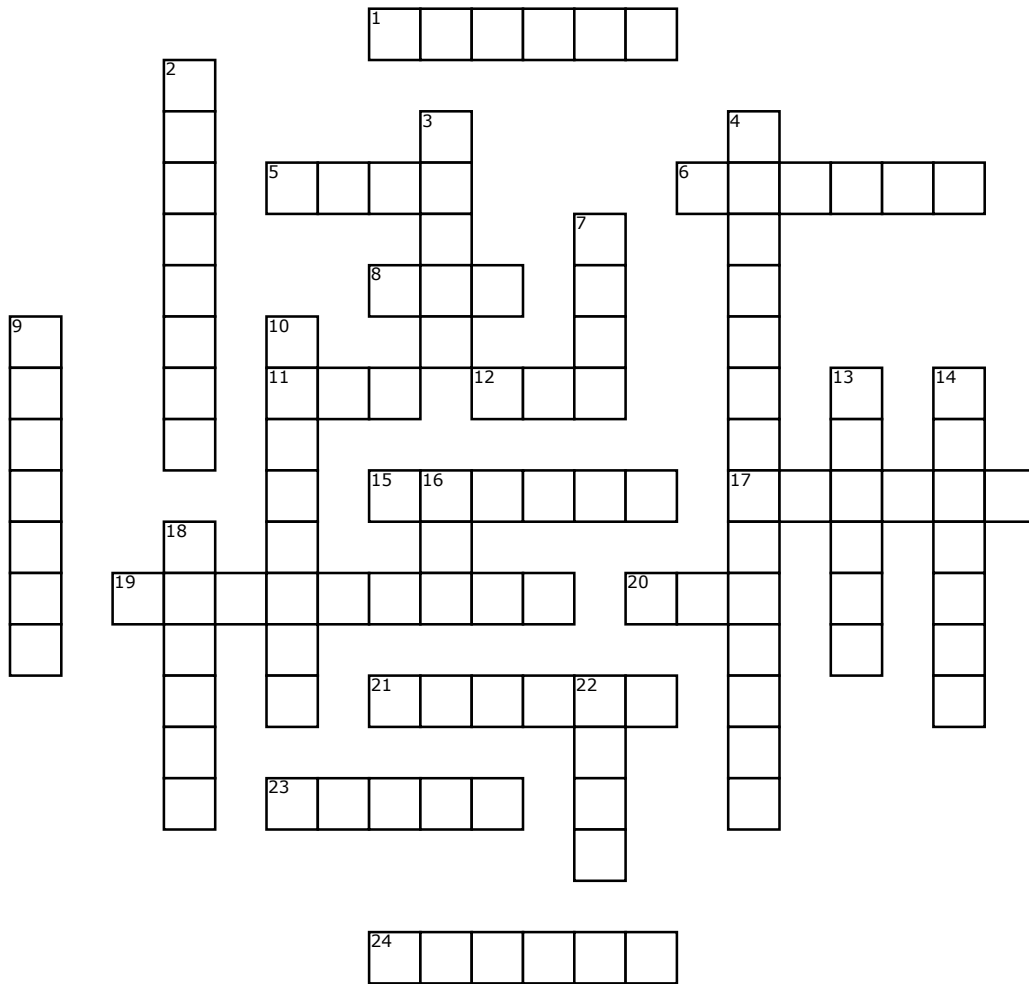


Trig Identities Crossword Puzzle



Across

- 1. $1 + \cot^2 x$
- 5. 420 degrees to radians
- 6. The length of the adjacent side divided by the length of the hypotenuse
- 8. 45 degrees to radians
- 11. $\sin^2 x + \cos^2 x$
- 12. $\pi/2$
- 15. $\csc^2 x - 1$
- 17. The reciprocal of Cosine
- 19. Opp/Adj

- 20. In a right triangle, the _____ of an angle is the length of the opposite side divided by the length of the hypotenuse

- 21. $1 - \cos^2 x$
- 23. 105 degrees to radians
- 24. $1 + \tan^2 \theta$

Down

- 2. $\tan \pi/4$
- 3. 390 degrees to radians
- 4. $\cot 130^\circ$

- 7. $7\pi/2$
- 9. $\cos 45^\circ$
- 10. Hyp/Opp
- 13. $1 + \cot^2 \theta$
- 14. In a right triangle, the _____ of an angle is the length of the opposite side divided by the length of the adjacent side
- 16. $\sin^2 \theta + \cos^2 \theta$
- 18. $1 - \sin^2 x$
- 22. $7\pi/6$ to degrees

Word Bank

| | | | | |
|-----------------|-------------|-----------------|---------------------------|-----------|
| one | Secant | Cosine | $7\pi/3$ | Sin |
| $\sin^2 x$ | Cotangent | $1/\sec 45$ | Cosecant | one |
| 90° | 210° | $\pi/4$ | Tangent | $7\pi/12$ |
| $\csc^2 \theta$ | $\csc^2 x$ | $\sec^2 \theta$ | $1/\cot \pi/4$ | $13\pi/6$ |
| $\cos^2 x$ | $\cot^2 x$ | 630° | $\cos 130/\sin 130^\circ$ | |