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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Trig Identities Crossword Puzzle

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|  |  |  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 11 |  |  |  | 12 |  |  |  |  |  |  | 13 |  | 14 |  |
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|  |  |  |  |  |  |  | 15 | 16 |  |  |  |  |  | 17 |  |  |  |  |  |
|  |  |  | 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 19 |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 21 |  |  |  | 22 |  |  |  |  |  |  |  |  |
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| **Across****1.** 1+cot^2x**5.** 420 degrees to radians **6.** The length of the adjacent side divded by the length of the hypotenuse **8.** 45 degrees to radians **11.** sin^2x+cos^2x**12.** π/2**15.** csc^2x-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 divded by the length of the hypotenuse **21.** 1-cos^2x **23.** 105 degrees to radians **24.** 1+tan^2θ | **Down****2.** tanπ/4**3.** 390 degrees to radians **4.** cot130° **7.** 7π/2**9.** cos 45° **10.** Hyp/Opp**13.** 1+cot^2θ**14.** In a right triangle, the \_\_\_\_\_\_\_\_\_ of an angle is the length of the opposite side divded by the length of the adjacent side **16.** sin^2θ+cos^2θ**18.** 1-sin^2x**22.** 7π/6 to degrees  |

   Cosecant        Cotangent        Cosine        Secant        Tangent        Sin       one       sec^2θ       csc^2θ       1/sec 45       cos130/sin130°        1/cotπ/4       sin^2x       cos^2x       one       cot^2x       csc^2x       7π/3       7π/12       π/4       13π/6       210°        90°        630°