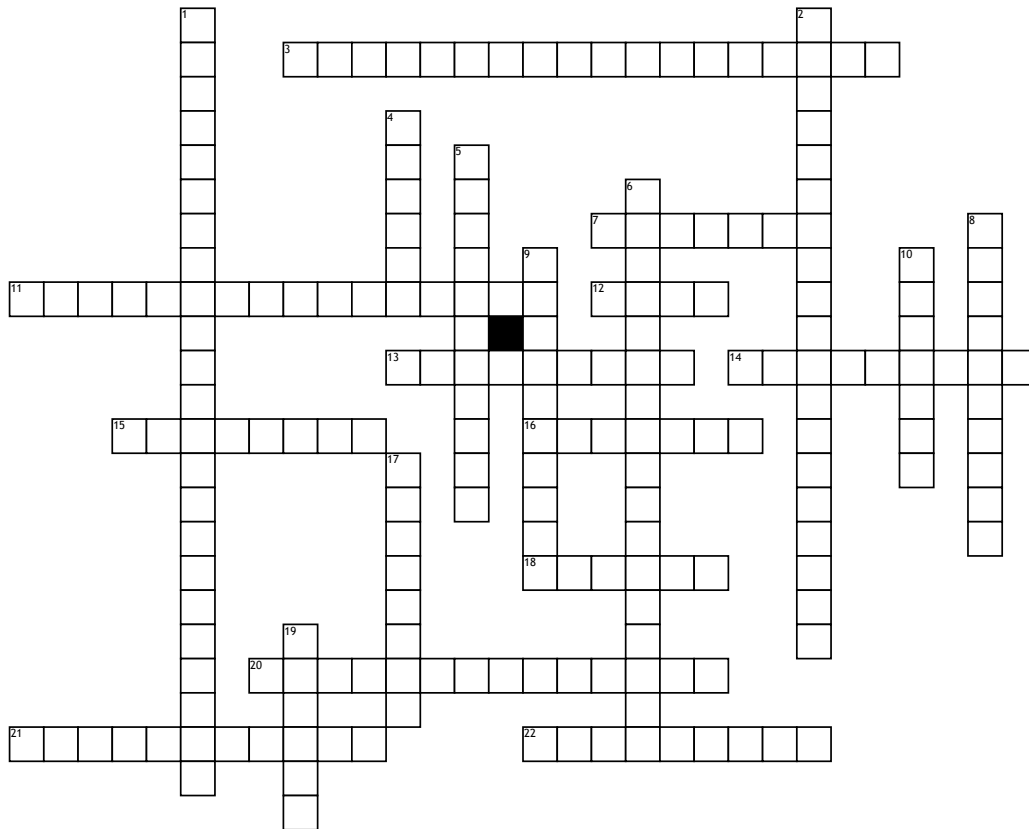


Trig Puzzle



Across

- 3. when solving an equation that can be written in the form $x^2 = d$
- 7. a trigonometry function that equals x/y coordinates
- 11. can be used to solve any quadratic equation
- 12. a trigonometry function that equals y coordinate
- 13. used when a quadratic equation can be factored easily
- 14. function that equals x/y coordinates
- 15. used to solve any quadratic equation with integer or irrational solutions
- 16. a triangle with no congruent sides

18. a trigonometry function that equals $1/x$ coordinates

- 20. is a rational expression with a numerator and denominator that is also a rational expression
- 21. line that touches the line of a function at a single point
- 22. triangle with two congruent sides

Down

- 1. in order to solve you must isolate the radical on one side of the equal sign then raise each side of the equation to a power
- 2. can be used for any quadratic equation when $a=1$ and b is even
- 4. end points of rays that form an angle
- 5. the standard sine function is an

6. equations that contain one or more rational expressions are called

- 8. each of the six basic trigonometric functions have a
- 9. equations relating the sines of the interior angles of a triangle and the corresponding opposite sides
- 10. function that equals y/x coordinates
- 17. set of all points that are the same distance from a given point
- 19. a trigonometry function that equals x coordinates

Word Bank

- Cotangent
- Scalene
- tangent
- ComplexFactors
- Tangent
- Secant

- SolvingRadicalEquations
- isosceles
- Cosine
- LawofSines
- Parabola
- OddFunction

- QuadraticFormula
- completing the square
- FindingSquareRoots
- rational equations
- sine

- Tangent Line
- Graphing
- vector
- Cofunction
- Factoring