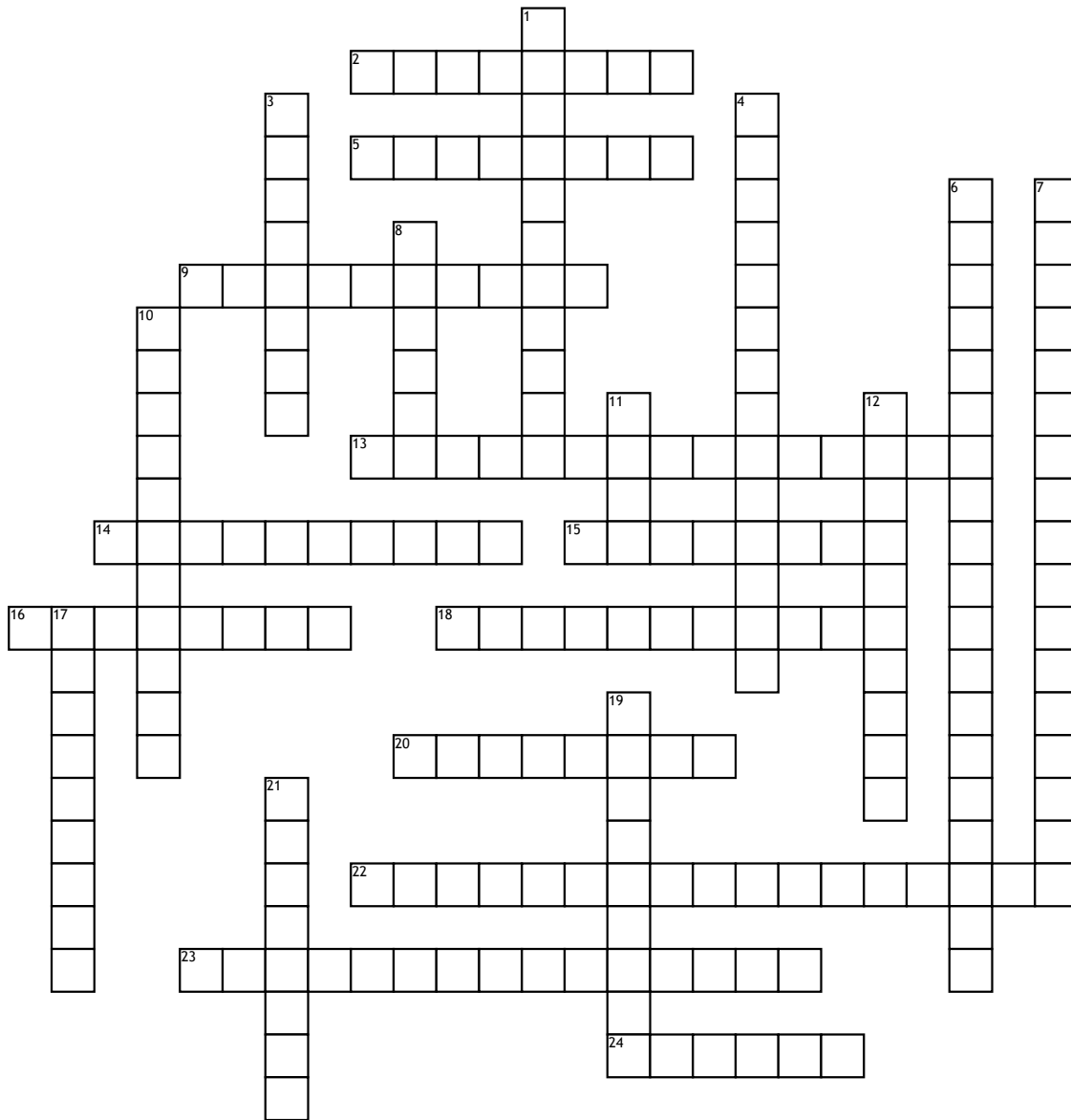


Algebra 2



Across

- 2. The number of variable that represents the number of times the base of a power is used as a factor.
- 5. Shape of a graph of a quadratic function.
- 9. A monomial or a sum of monomials
- 13. A function where $f(g(x)) = g(f(x))$.
- 14. The y-coordinate of a point where a graph intersects the y-axis.
- 15. A term that has a number and no variable.
- 16. A symbol use to represent a quantity that can change.
- 18. The number of expression that is used as a factor in a repeated multiplication.
- 20. A relation for which each input has exactly one output.

- 22. A shorthand method of dividing a polynomial by a divisor of the form $x-k$.
 - 23. A logarithm with base 10.
 - 24. The result of multiplying a number by itself.
- Down**
- 1. The behavior of the graph of a function as x approaches positive or negative infinity.
 - 3. To rewrite an expression as simply as possible.
 - 4. The most basic function in a family of functions.
 - 6. An equation in which a variable expression occurs as an exponent.
 - 7. An equation that involves a log of a variable expression.
 - 8. The set of input values of a relation.

- 10. The number that multiplies the variable.
- 11. Another term for a x-intercept.
- 12. The x-coordinate of a point where a graph intersects the x-axis.
- 17. A line that a graph approaches but touch.
- 19. Terms that have the same variables and powers.
- 21. A polynomial with two terms.