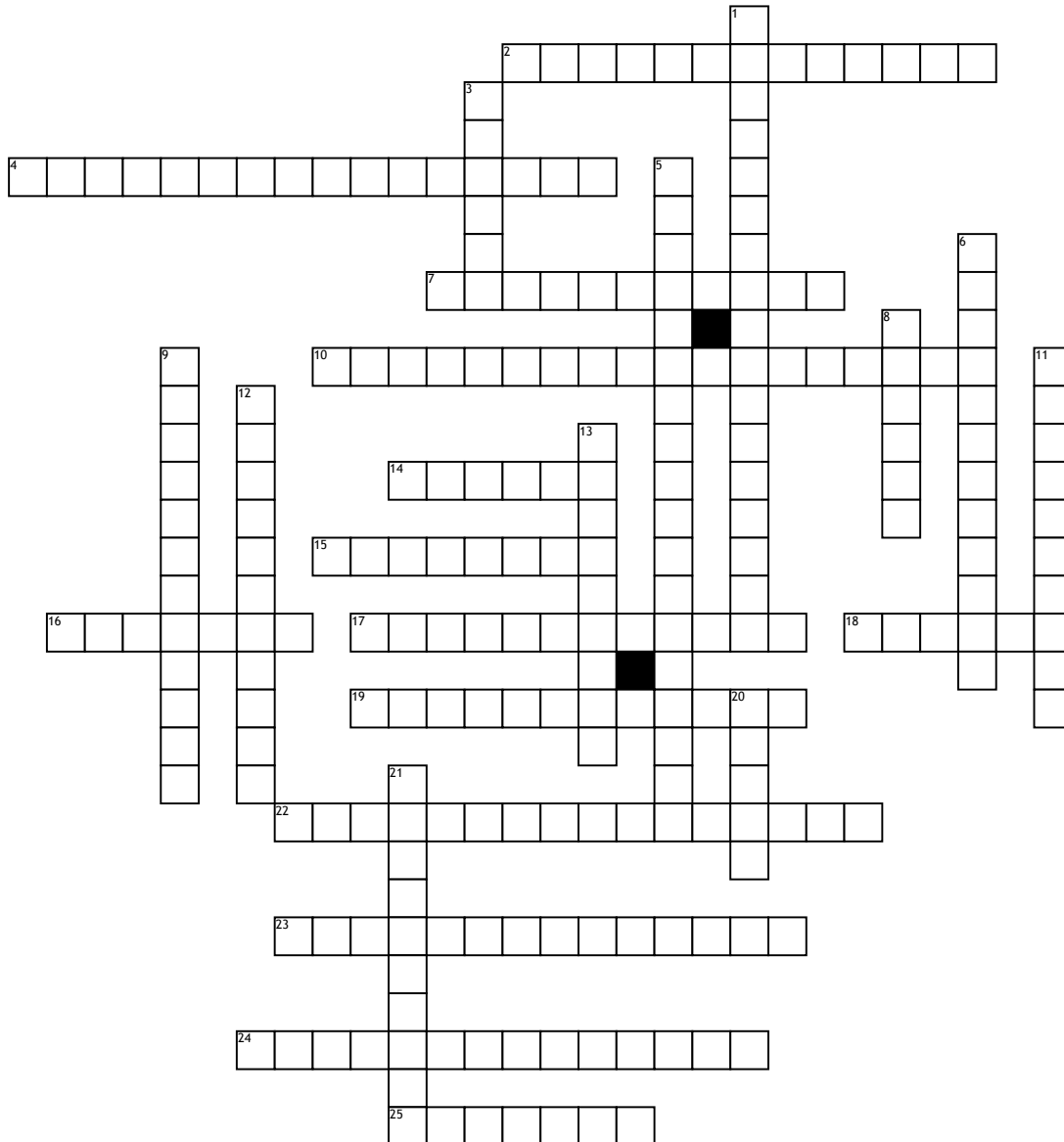


Name: _____

Date: _____

Algebra 2 crossword



Across

2. A cubic function is any function of the form $y = ax^3 + bx^2 + cx + d$, where a , b , c , and d are constants, and a is not equal to zero.
4. is used in algebra to solve quadratic equations (polynomial equations of the second degree).
7. The leading term's coefficient and exponent determines a graph's end behavior, defined as what the graph is doing as it approaches positive or negative infinity.
10. are the numbers written in front of the variable with the largest exponent.
14. a circumstance, fact, or influence that contributes to a result or outcome.
15. a statement that the values of two mathematical expressions are equal (indicated by the sign $=$).
16. an article or substance that is manufactured or refined for sale.

17. an agent or characteristic that enables things, people, or classes to be distinguished from one another.

18. the amount, level, or extent to which something happens or is present.

19. (of an algebraic expression) consisting of one term.

22. A cube root is the number that multiplies by itself three times in order to create a cubic value. That was a bit of a mouthful.

23. is the simplest function of a family of functions.

24. the line that divides a figure into two parts that are mirror images.

25. the least or smallest amount or quantity possible, attainable, or required.

Down

1. A quadratic function is one of the form $f(x) = ax^2 + bx + c$, where a , b , and c are numbers with a not equal to zero.

3. an area of territory owned or controlled by a ruler or government.

5. The principal square root function $f(x) = \sqrt{x}$ (usually just referred to as the "square root function") is a function that maps non-negative real numbers to non-negative real numbers.

6. A factored form is a parenthesized algebraic expression.

8. the highest point; the top or apex.

9. For numbers it means "Expanded Form" (such as $125 = 100 + 20 + 5$), but in Britain it means "Scientific Notation". For equations it means the y-coordinate of the point where the graph crosses the y-axis.

12. the number in a term.

13. (of an algebraic expression) consisting of three terms.

20. the part of a plant that attaches it to the ground or to a support, typically underground, conveying water and nourishment to the rest of the plant.

21. is the vertex of the parabola.