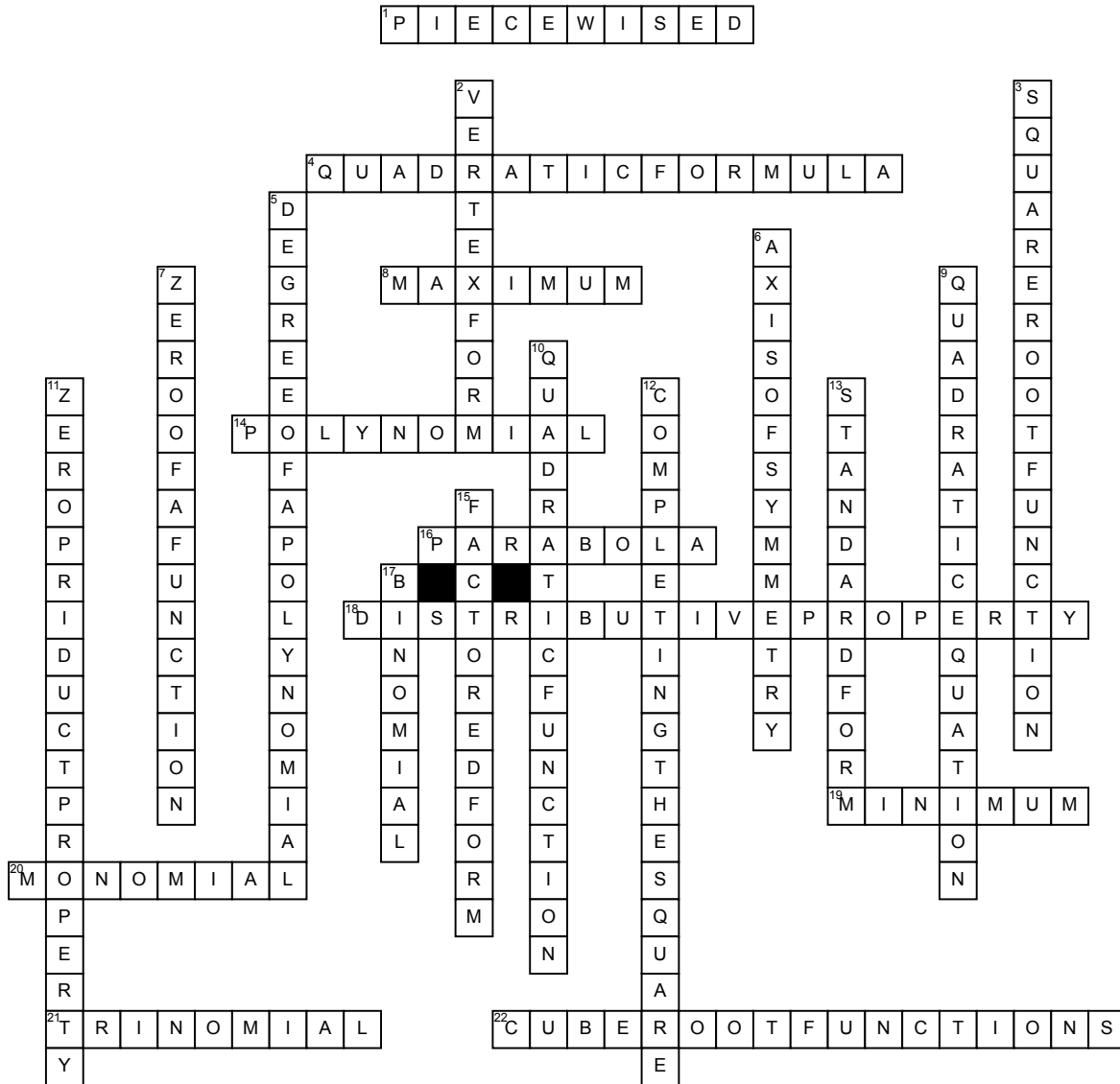# Quadratics

Across

1. Is a function which is defined by multiple sub function, each which apply to a certain interval of the main functions domain.

4. Used in algebra to solve quadratic equations

8. The most permitted

14. Consisting of several terms

16. symmetrical open plane curve formed by the intersection of a cone with a plane parallel to its side. The path of its projectile under the influence of gravity ideally follows a curve of this shape

18. Multiply each sum by an addend separately and the add the products

19. The least possible

20. Consisting of one term

21. Consisting of three terms

22. Is the number that multiplies by itself three times in order to create a cube value

Down

2. A quadratic form that is given by f(X)=a(X-h)^2

3. Is a function that maps the set of non negative real numbers onto itself

5. The highest degree of its terms

6. The two sides of a graph on either side of the axis of symmetry look like mirror images of the other

7. Is an input value that produced an output of zero Is

9. An equation of degree 2, meaning the highest exponent is 2, the equations standard form of a quadratic.

10. Is a second degree polynomial function of the form

11. Is also known as the rule of zero product, the null factor law.

12. Is a technique used to solve quadratic equations

13. Is a way of expressing an equation as easily as possible

15. Is an equation that is represented in a parenthesized algebraic equation

17. Consisting of two terms