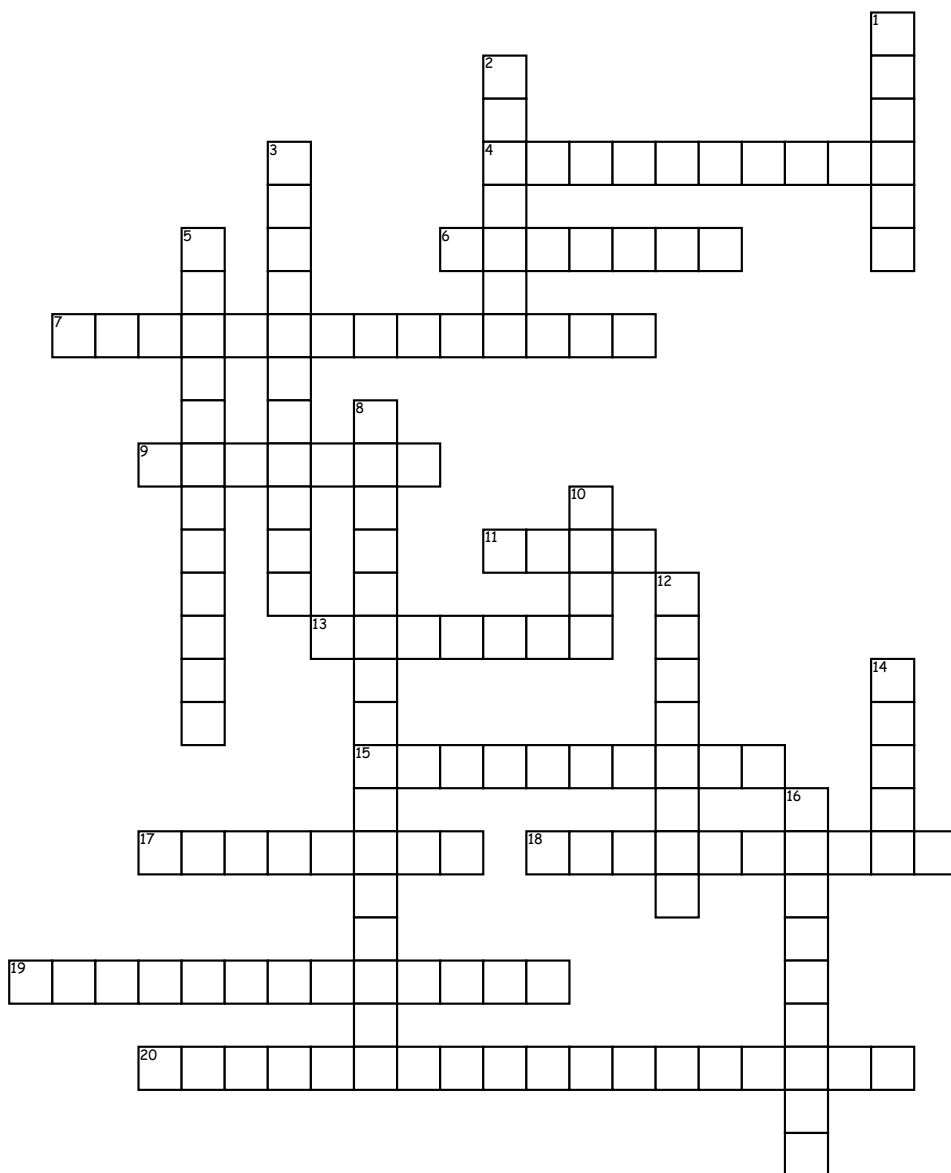


# Quadratic terms



## Across

4. A number that produces a specified quantity when multiplied by itself
6. The place where the graph has a vertex at it's highest point
7. Always passes through the vertex of the parabola
9. The place where the graph has a vertex at its lowest point.
11. Where a function equals zero.
13. The symbol  $\sqrt{\quad}$ , which is used to represent the square root of a number, is called
15. Changing the sign between two terms in a binomial

17. A symmetrical open plane curve formed by the intersection of a cone with a plane parallel to its side

18. The x-coordinate of a point where a line, curve, or surface intersects the x-axis

19. A number that can be expressed in the form  $a + bi$ ,

20. An equation containing one or more terms raised to the power of two but no higher

## Down

1. The highest point; the top or apex.

2. Having the shape of a capital U

3. The number in front of the variable is called

5. An idea of the number of roots and the nature of roots of the equation

8. A formula used to solve the quadratic equation

10. A handy way to remember how to multiply two binomials.

12. A fixed value.

14. Numbers or quantities arranged in rows and columns

16. A polynomial with three terms