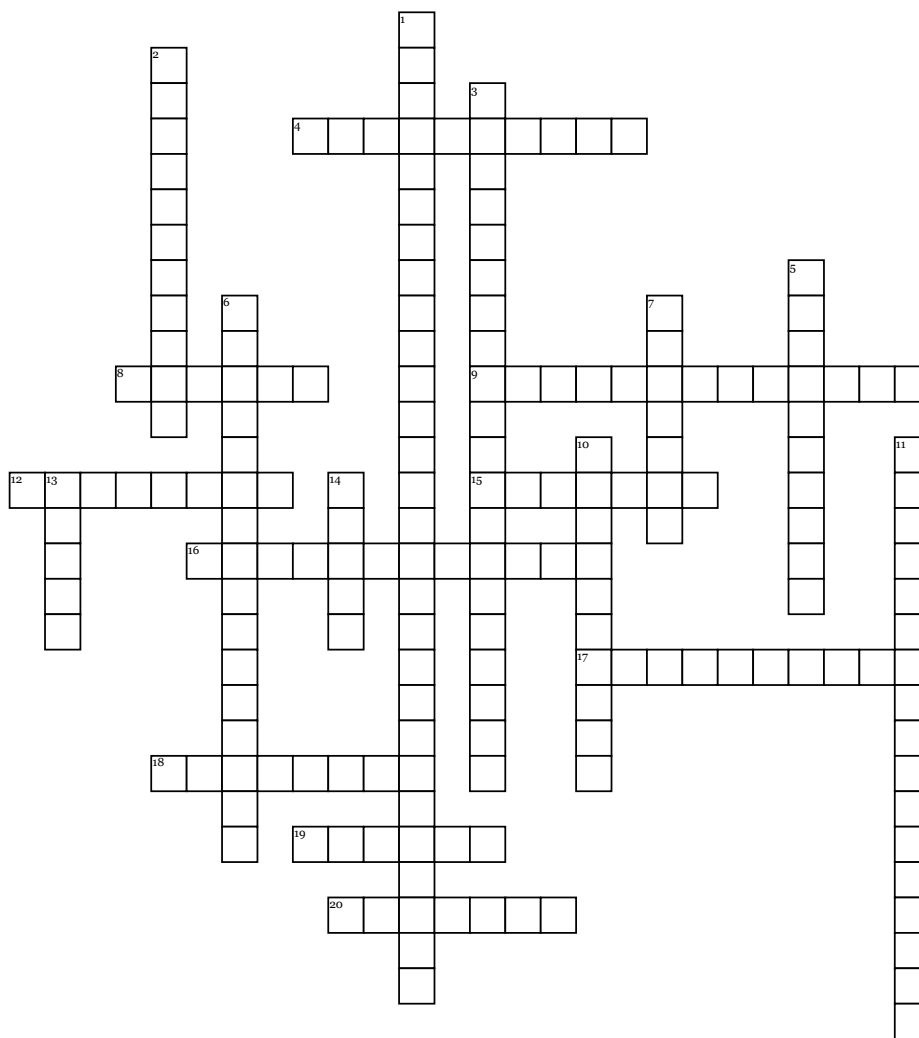


Algebra 2 6th Hour Project



Across

4. when a line crosses the x axis
 8. Set vales of independent variable
 9. 1,2,3,4,6 and 12
 12. consisting of three terms.
 15. the largest and smallest value of the function
 16. The number $D = b^2 - 4ac$ determined from the coefficients of the equation $ax^2 + bx + c = 0$.

17. what type of problem is... $5x + y - 7, 5$

18. a mathematical problem

19. maximum or minimum.

20. the result

Down

1. solution of the equation $p = 0$

2. The leading term's coefficient and exponent determines a graph's...

3. Highest Common Factor

5. given by. $f(x) = a(x - h)^2 + k$, where (h, k) is the vertex of the parabola.- This is called

6. used in algebra to solve quadratic equations

7. the value of a function at a certain point in its domain

10. where the line crosses the y axis

11. $f(x) = ax^2 + bx + c$,

13. the difference between values

14. root is the same thing is this

Word Bank

Discriminant

Y-intercept

Domain

Quadratic formula

Trinomial

Common factors

Roots (of a polynomial function)

End behavior

Equation

Vertex form

Zeros

maximum

Vertex

Quadratic function

Range

Greatest common factor

Product

X-intercept

Coefficient

minimum