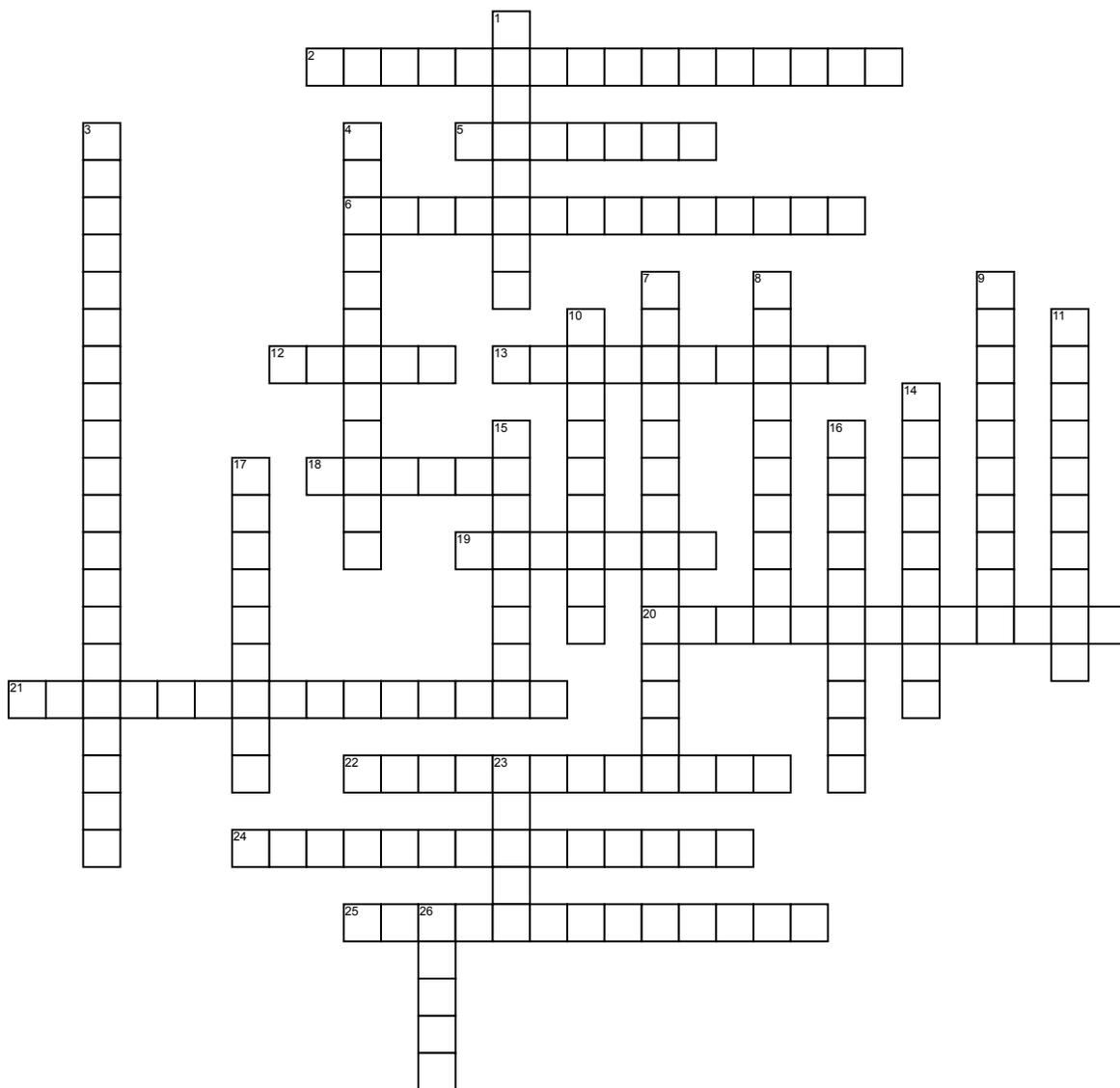


# Unit 5 Quadratic Functions Kiana Thymes



## Across

- 2.** A formula that is utilized by a quadratic function  
**5.** Highest point on a parabola  
**6.** A line that divides a plane figure or graph into two congruent reflected halves  
**12.** A value of  $x$  that makes the function's value zero  
**13.** Expressions of the form  $Ax^2+Bx^2+C$   
**18.**  $x$ -values of a function  
**19.** Lowest point on a parabola  
**20.** And numbers with "1" in them  
**21.** The square root of a negative number; represented as "i"  
**22.** The expression that appears under the square root (radical) sign in the quadratic formula

- 24.** Domain of a quadratic function

- 25.** A square of a whole number

## Down

- 1.** A U-shaped graph formed by a quadratic function where all points are equal distant from focus to a directrix  
**3.** (GCF) the largest factor that two or more numbers have in common  
**4.**  $Ax+By=C$  where  $A$ ,  $B$ , and  $C$  are not decimals or fractions,  $A$ , and  $B$  are both not zero and  $A$  is not a negative  
**7.** The most basic function of a family of functions, or the original function before a transformation is applied  
**8.** Where a graph crosses the  $x$ -axis  
**9.** A quadratic function in the form  $y=a(x-h)^2+k$ , where  $(h,k)$  is the vertex of the parabola and  $x=h$  is its axis of symmetry

- 10.** The process of changing a sum to a product

- 11.** Where a graph crosses the  $y$ -axis

- 14.** A point or value that marks the ends of a line on a graph

- 15.** Limitless or endless in space, extent, or size

- 16.** A number that when multiplied by itself equals a given number

- 17.** The number with equal real part and imaginary part equal in magnitude but opposite in sign

- 23.**  $y$ -values of a function

- 26.** The solutions to a quadratic equation