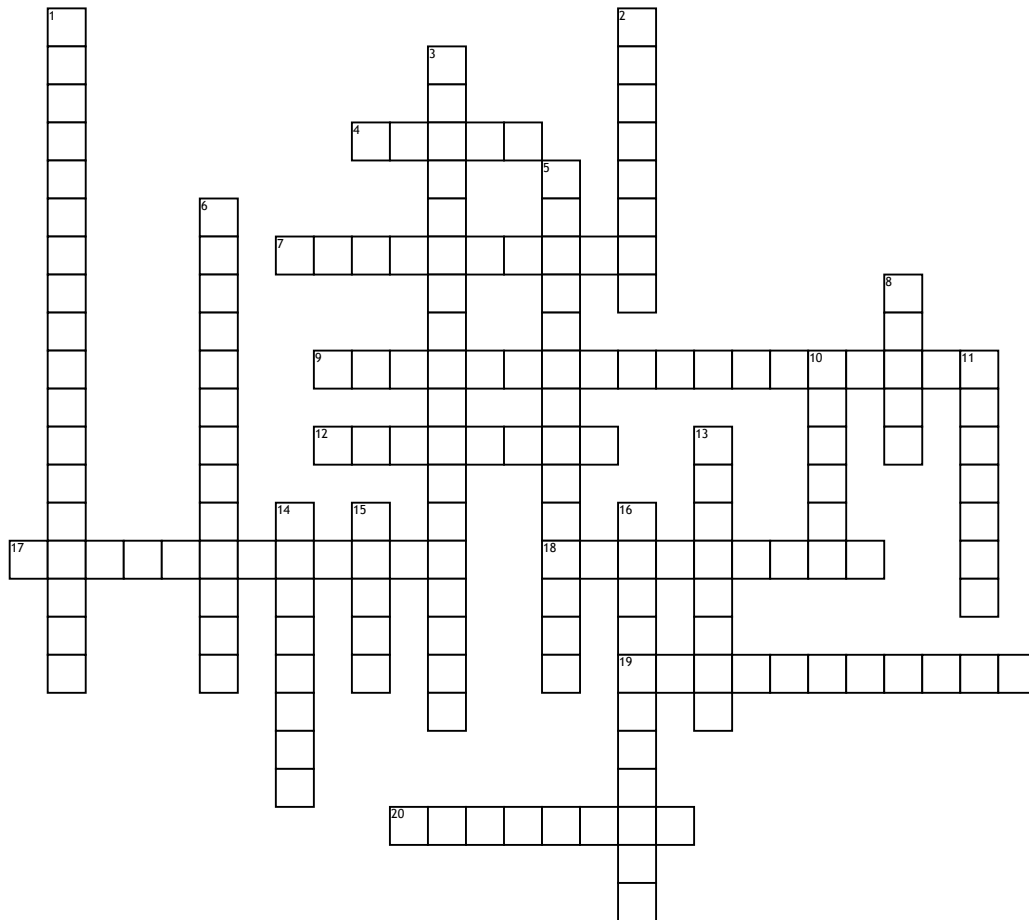


# Bennett's Algebra Crossword Puzzle



## Across

4. These are the x-intercepts of a quadric equation.  
 7. This is a reasonable guess for what will happen based on given data and trends.  
 9.  $Ax + By = C$  where A & B can't both be 0. A is greater than 0, and A, B, and C are constants.  
 12. For each DOMAIN value, there is only ONE value in the range when you have one of these.  
 17. This can discriminate between possible roots of a quadratic.  
 18. The process of finding WHAT MULTIPLIES together to make a product.

## Word Bank

roots  
 simplify  
 perpendicular lines  
 mapping  
 slope

point slope form  
 translation  
 slope intercept form  
 exponent  
 domain

linear standard form  
 parabola  
 function  
 prediction  
 monomial

scatter plot  
 parallel lines  
 discriminant  
 range  
 factoring

19. This is a term used to describe a function that moves a certain distance.

20. This is a quadratic function on a graph. It is a symmetrical curve on the graph.

## Down

1. Two lines that intersect at a right angle.  
 2. This tells how many times to MULTIPLY the BASE by itself  
 3. This is a type of linear equation where  $y=mx + b$   
 5. This is a linear equation where m is the slope &  $(x_1, y_1)$  is a point on the line.

6. These are two lines with the same slope that never intersect.

8. This is the rate of change between two points on a line.

10. This a set of x-coordinates in a relation.

11. This matches values of the domain to values of the range.

13. This is an expression with only one term.

14. To make SMALLER or EASIER to understand.

15. This is a set of y-coordinates in a relation.

16. Graph with plotted points to show possible relationship.