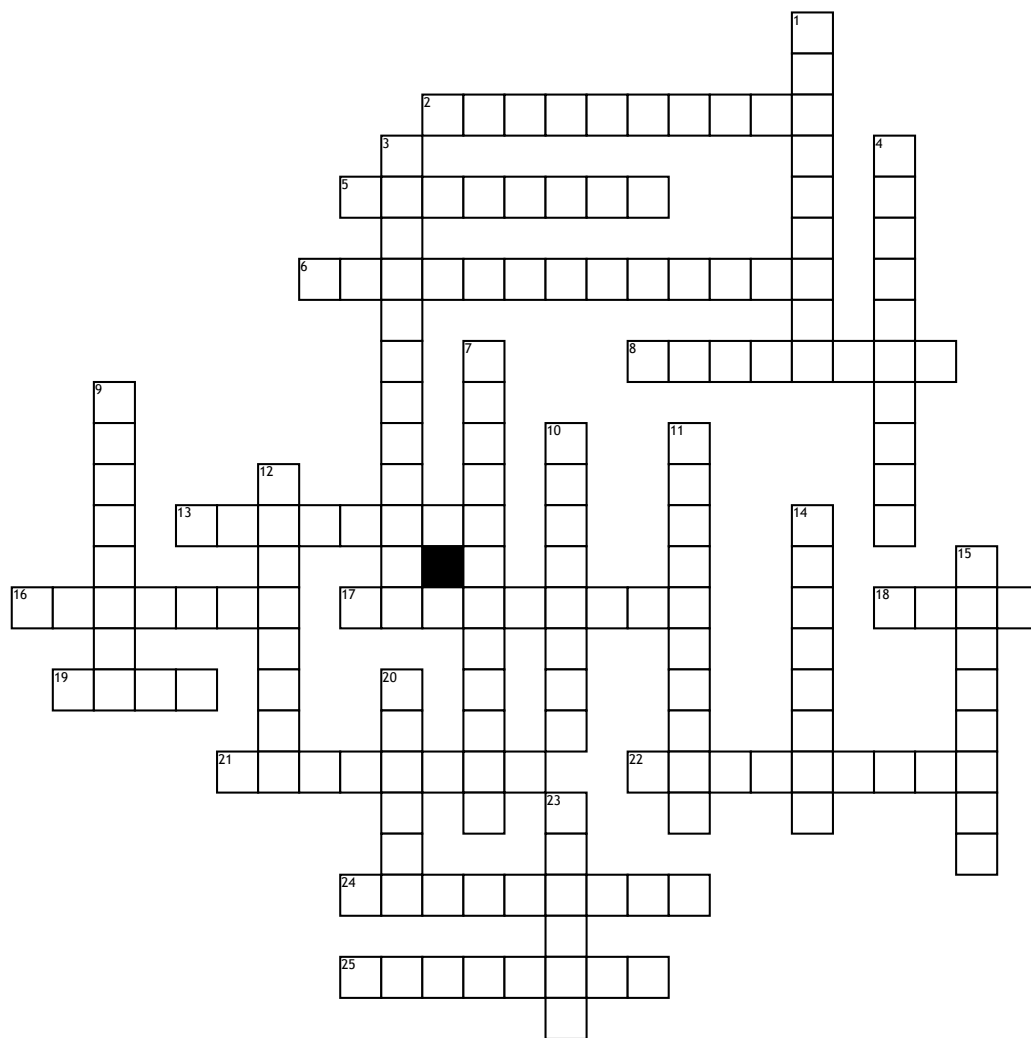


# Advanced Algebra Final Project



## Across

2. A collection of numbers, symbols, and/or operation signs that stands for a number.  
 5. A polynomial consisting of one term  
 6. The perimeter of a circle  
 8. The relationship between two sets in which each element of one set has one assigned element in the other set  
 13. A line segment from any point on the circle passing through the center to another point on the circle  
 16. Any point at which the value of a function is largest or smallest  
 17. A line that continually approaches a given curve but does not meet it at any finite distance  
 18. A straight line that is endless in length

19. The inside region of a 2D figure measured in square units

21. A number that appears with a radical sign  
 22. A whole number that has no more than two factors  
 24. A polynomial consisting of three terms or monomials  
 25. A polynomial consisting of two terms

## Down

1. Figures or objects that are the same shape and size  
 3. Numbers that correspond to points on a graph in the form (x,y)  
 4. Consisting of several terms  
 7. A function of the coefficients of a polynomial equation whose value give the roots of the polynomial

9. A line segment from any point on the circle passing through the center to another point on the circle

10. Any part of a whole  
 11. A collection of numbers, symbols, and/or operation signs that stands for a number  
 12. a plane curve that is mirror-symmetrical and is approximately U-shaped  
 14. A mathematical sentence that equates one expression to another  
 15. The numbers in the set  $\{\dots -4, -3, -2, -1, 0, 1, 2, 3, 4, \dots\}$   
 20. A number or expression that divides exactly another number  
 23. the complete set of possible values of the independent variable

## Word Bank

|              |           |               |            |            |
|--------------|-----------|---------------|------------|------------|
| line         | fraction  | integers      | asymptote  | binomial   |
| parabola     | diameter  | diameter      | Expression | trinomial  |
| function     | radicand  | extrema       | area       | expression |
| equation     | composite | coordinates   | congruent  | domain     |
| discriminant | factor    | circumference | monomial   | polynomial |