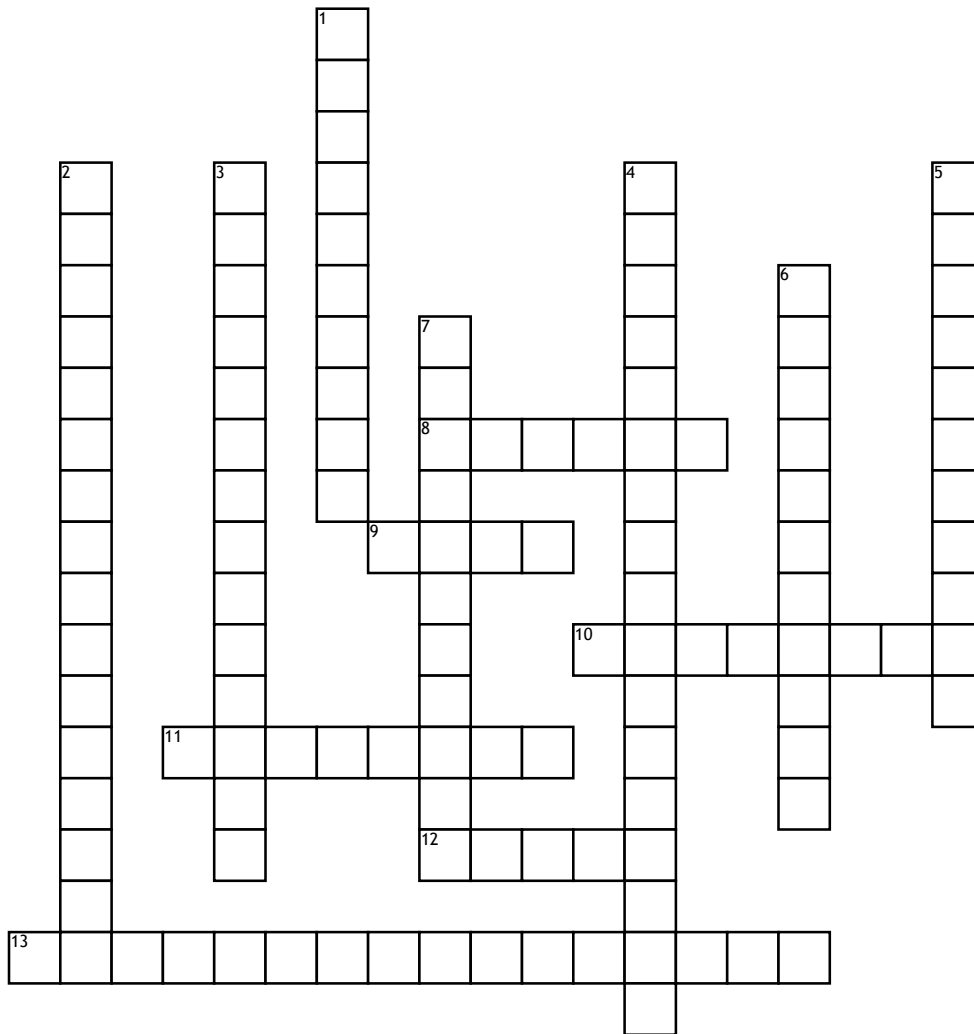


final project



Across

8. the greatest exponent of its variable

9. If $f(x)$ is a polynomial function, then the values of x for which $f(x) = 0$ are called the zeros of the function.

10. the action or process of adding something to something else.

11. the process or skill of dividing one number by another

12. solutions to polynomial equations.

13. states that the remainder of a polynomial $f(x)$ divided by a linear divisor $(x - c)$ is equal to $f(c)$.

Down

1. a mathematical expression involving a sum of nonnegative integer powers in one or more variables multiplied by coefficients.

2. an arrangement of the values of nCr in a triangular pattern where each row corresponds to a value of n

3. the process or skill of multiplying.

4. Synthetic division is a shortcut method for dividing a polynomial by a linear factor of the form $(x - a)$.

5. a number multiplied by a variable.

6. the process or skill of taking one number or amount away from another.

7. the value of $f(x)$ as x approaches positive and negative infinity

Word Bank

multiplication

End Behavior

Polynomial

Pascal's Triangle

Remainder Theorem

zero

addition

Synthetic Division

Coefficient

degree

roots

subtraction

division