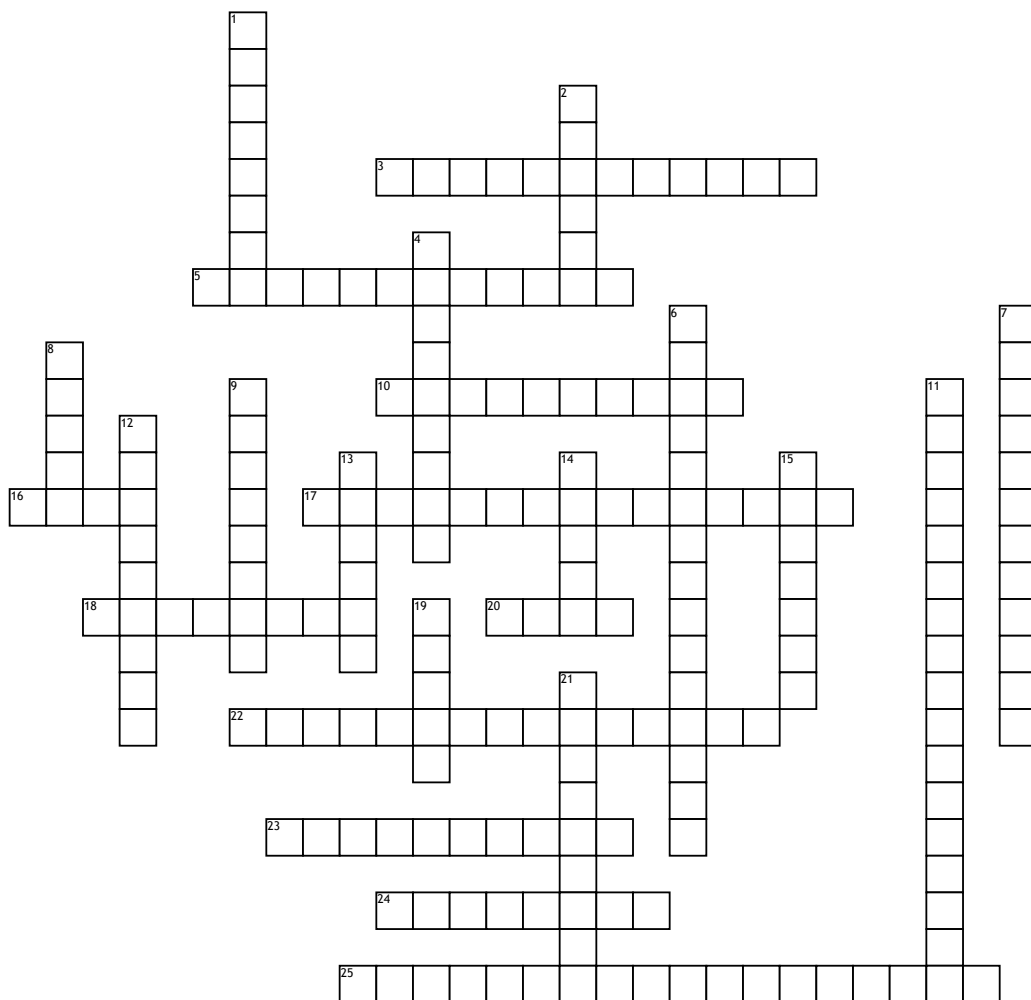


Name: _____

Date: _____

Polynomials



Across

3. A point at which the polynomial function values change from increasing to decreasing or decreasing to increasing.

5. When ranking people for training completion, you start with the highest and best performance followed by the 2nd and so on.

10. Poly was nominated for an Oscar four years in a row, she might be nominated even more next year.

16. When I move into my new house I need to know the _____ in order to see if I have enough space.

17. A y-value that is smaller than the values for all other y-values in some neighborhood in the domain of a function.

18. When given $6x-2$, x is referred to as the _____.

20. In a power, the number that is used as a factor.

22. A y-value that is larger than the values for all other y-values in some neighborhood in the domain of a function.

23. A phrase that has variables and numbers, then is connected by operators is known as an _____.

24. After the 3rd term we will only have ONE more term left in the school year.

25. In $3x^2$ the 3 is the _____.

Down

1. After the 3rd term we will only have ONE more term left in the school year.

2. a straight line on a graph

4. $15^5 + x^4 - 6x^7$ is a 7th degree

6. A number that includes a i, which is the square root of -1

7. a polynomial expression written as a product of factors. Example: $2x(2x-3)(x+5)$

8. The product when a number is multiplied by itself a given number of times.

9. Bill has to take TWO more terms of high school in order to graduate.

11. A method of expanding the expression $(x+y)^n$ for any whole number, n.

12. A function with a degree of two is a _____.

13. The unit of measurement for temperature

14. a polynomial has four

15. X^4 is an example of

19. A S curve on a graph represents a _____ function.

21. When you're multiplying numbers together, it's known as _____

Word Bank

relative minimum

quartic

area

monomial

power

factoring

trinomial

turning point

linear

binomial expansion

quadratic

cubic

relative maximum

exponent

leading coefficient

base

Binomial

expression

Factored Form

variable

terms

Standard form

polynomial

Imaginary number

degree