$\qquad$ Date: $\qquad$
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## Puzzle Project: DC-PreCalculas



## Across

2. a function that can be represented in the form $f(x)=x^{\wedge} p$ 3. slanted asymptotes that show exactly how a function increases or decreases without bond.
3. functions involving roots
4. when we predict a value inside the domain and range of the data
5. the highest power of the variable that occurs in the polynomial
6. two pairs of binomials with identical terms but share opposite sums
7. a large number or the state of having multiple
8. a function that can be written as the ratio of two polynomials

## Down

1. when we predict a value outside the domain and range data 4. can be positive, negative, or zero, 8 and be whole numbers, decimals, or fractions.
2. coefficient of the leading term
3. when a model no longer applies after some point it is called
4. has an equation of the form $\mathrm{x}=\mathrm{a}$
5. the most basic complex number is $i$
6. two lines that are vertical 10. has an equations of the form $f(x)=b$
7. where $h$ and $k$ are the numbers in the transformation form of the function.
8. the sum of terms each consisting of a vertically stretched or compressed power function 15. a function whose graph produces a line
9. determines if the function is a decreasing function or an increasing function
