## Math Virtual Learning

## Algebra 2A <br> Polynomial Parent Functions

May 22, 2020

## Lesson: <br> Sketching Polynomial Parent Functions

## Learning Target:

LT C2 I can identify key features (zeros, multiplicity, end behavior, y-intercept, local minimums and maximums, turning points, transformations).

## Objective:

Students will be able to identify parts of a graph.

## Warm Up

1. Solve for $s$.

$$
s(s+4)=0
$$

Write your answers as integers or as proper or improper fractions in simplest form.

Solve for $q$.

$$
(q+5)(q-6)=0
$$

Write your answers as integers or as proper or improper fractions in simplest form.

## Warm Up Answer

$$
s=0 \quad \text { or } s=-4
$$

## Lesson

Today we are going to graph a polynomial when given an equation in intercept form. If you need to, please review the videos below.

Graphing a Polynomial Function in factored form
Graphing a Polynomial Function in factored form v. 2

## Practice

Use the following link to practice graphing polynomials when in intercept form. Worksheet 5.2 Graphing Polynomial Functions from Factored Form

Answer Key

## Additional practice

If you would like additional practice, use the link below.
Graphing Polynomials in factored form

