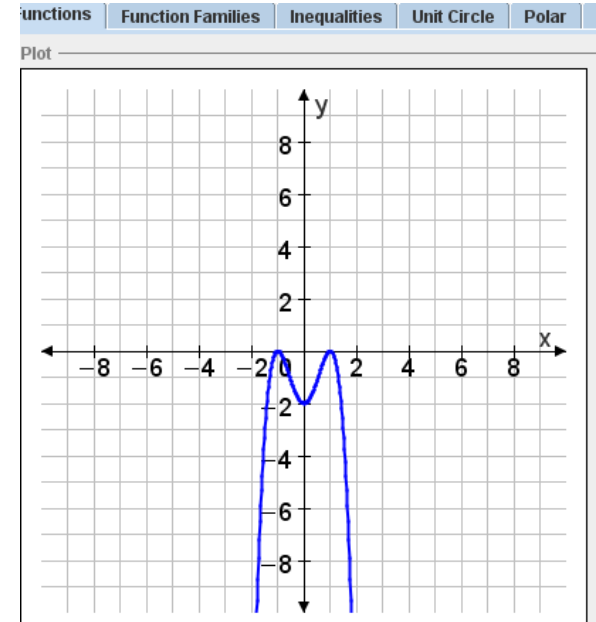
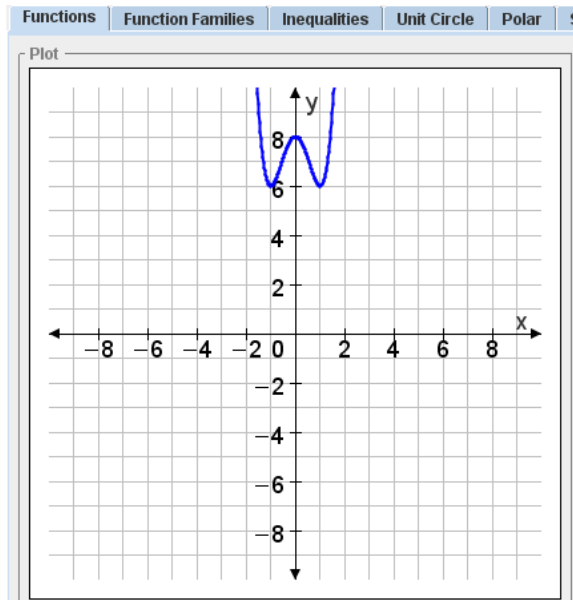
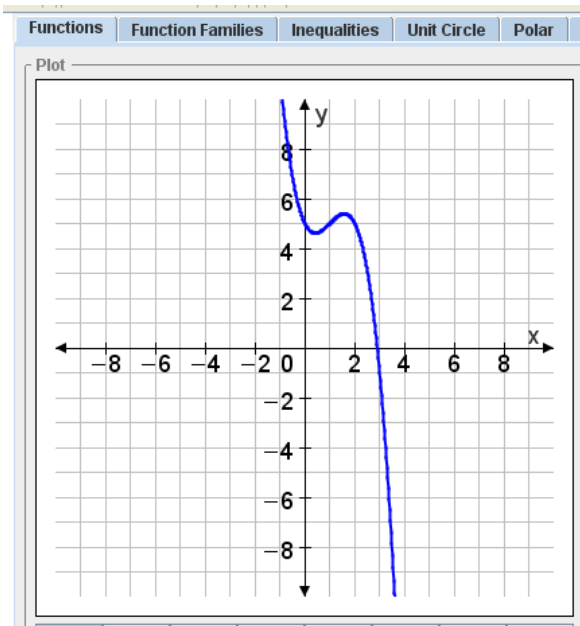


Math 3

Characteristics of Polynomial Functions



Domain	
Range	
Zeros	
Y-Intercept	
Max and Min	
Increase and Decrease	
End Behavior	

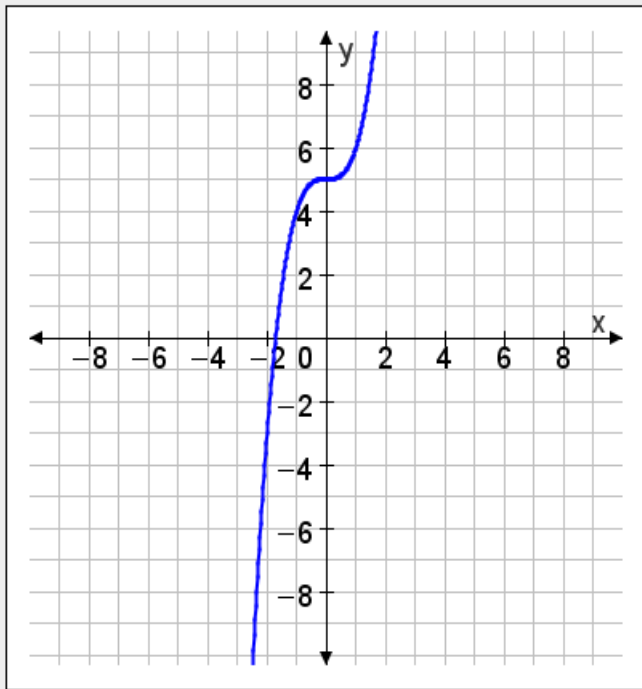
Domain	
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Domain	
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Zeros	
Y-Intercept	
Max and Min	
Increase and Decrease	
End Behavior	

Math Instructional Framework

Full Name	
Time Frame	6 weeks - Unit 5
Unit Name	Polynomials
Learning Task/Topics/ Themes	Characteristics of Polynomial Functions
Standards and Elements	MM3A1 – Students will analyze graphs of polynomial functions of higher degree. d. Investigate and explain characteristics of polynomial functions, including domain and range, intercepts, zeros, relative and absolute extrema, intervals of increase and decrease, and end behavior.
Lesson Essential Questions	How do you investigate and explain characteristics of polynomial functions?
Activator	
Vocabulary	Polynomial Functions, Domain, Range, Intercepts, Zeros, Relative and Absolute Extrema, Intervals of Increase, Intervals of Decrease, End Behavior
Work Session	Power Point for Notes –How do I analyze a Polynomial Function? Student Independent Practice Worksheets – End Behavior Characteristics of Graphs Worksheet Characteristics Worksheet
Summarizing/Closing/Formative Assessment	

Characteristics of the Function



Parent Function: _____

Transformations: _____

Domain & Range

Intercepts

End Behavior

Extrema

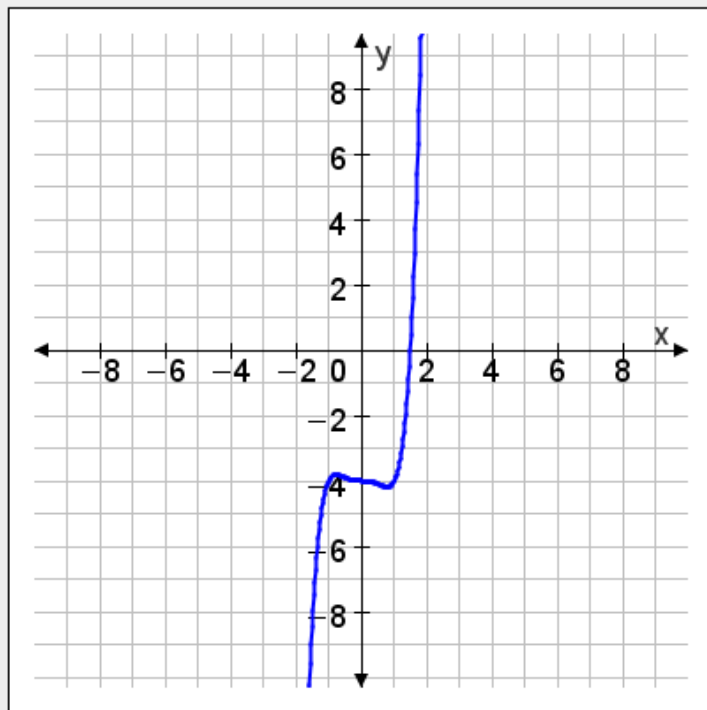
Intervals of Increase and Decrease

Slope at given points

Vertex

Axis of Symmetry

Characteristics of the Function



Parent Function: _____

Transformations: _____

Domain & Range

Intercepts

End Behavior

Extrema

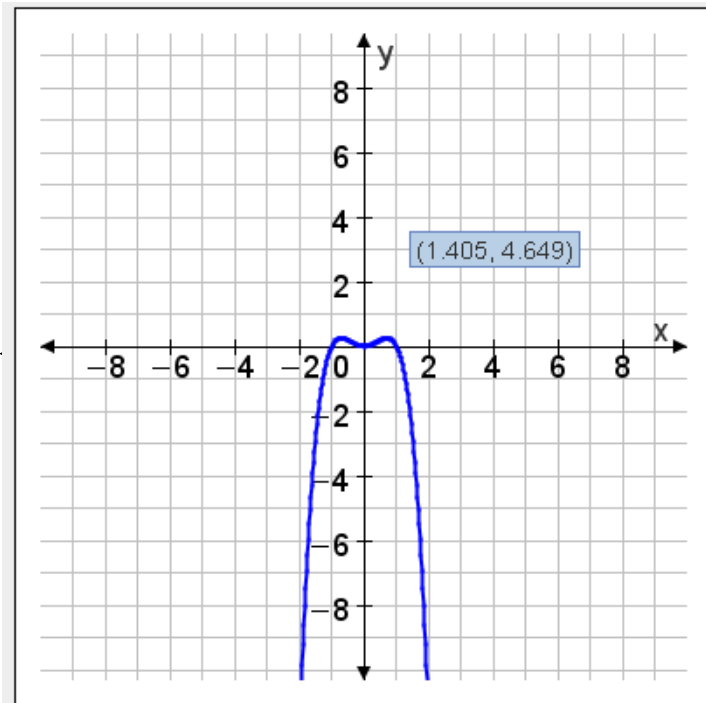
Intervals of Increase and Decrease

Slope at given points

Vertex

Axis of Symmetry

Characteristics of the Function



Parent Function: _____

Transformations: _____

Domain & Range

Intercepts

End Behavior

Extrema

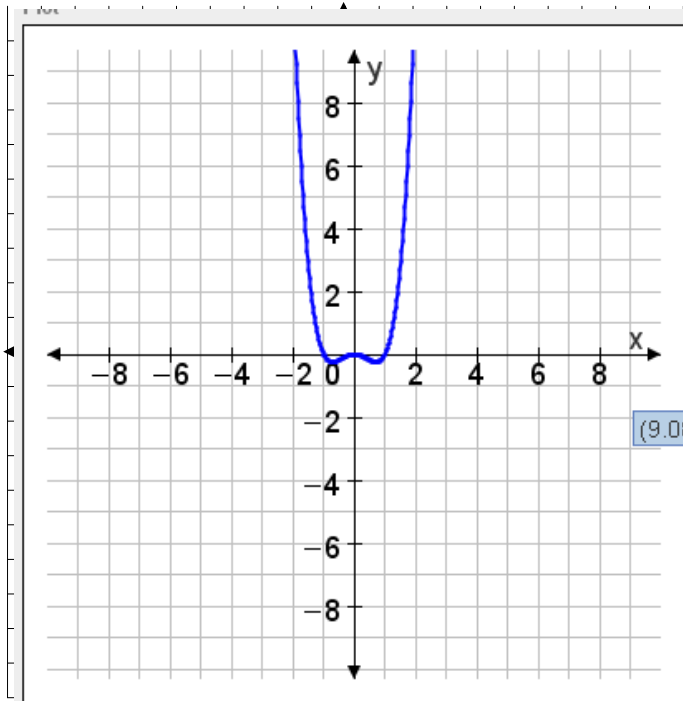
Intervals of Increase and Decrease

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Characteristics of the Function



Parent Function: _____

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