Math 3 Remote Learning Checklist

Name_____

Unit 3 – Polynomial Functions

Date	Lesson/Topics	Khan Academy Videos/Exercise Sets	Done?		
Mon/	Live Session:				
Tues	Review of Addition/Subtraction, Multiplication, and Factoring of Polynomials				
4/13-14	Review of Dividing Poly	ynomials			
	Polynomial Division - Long	Dividing Polynomials by Linear Expressions (3:23)			
	Division, Division using the	Dividing Dolynomials by Linear Expressions: Missing Term			
	Division (complete the video	(4.32)			
	problems using your method)				
	p	Factoring using Polynomial Division (5:57)			
		Factoring using Polynomial Division: Missing Term ((3:57)			
		Divide Polynomials by Linear Expressions – Practice Set			
		Factor using Polynomial Division – Practice Set			
Wed/	Live Session:				
1 nur	Answer Questions/Rev Show Connection Botw	View about Polynomial Division			
4/15/10	 Snow connection Between Dividing P(x) by (x - c) and P(c) Review Eactoring of Polynomials 				
	Remainder Theorem	Introduction to Polynomial Remainder Theorem (6:42)			
		Remainder Theorem: Finding Remainder from Equation (3:31)			
		Remainder Theorem Examples (5:31)			
		Remainder Therem: Checking Factors (3:25)			
		Remainder Theorem: Finding Coefficients (3:38)			
		Remainder Theorem – Practice Set			
		Remainder Theorem and Factors – Practice Set			
Fri 4/17		Polynomial Division Quiz 2			
, Mon/	Live Session:		I		
Tues	Answer Questions/Review about Remainder Theorem (Include Finding Roots if Quadratic Quotient				
4/20-21	21 is not Factorable in Honors)				
	Introduction to Key Features of Polynomial Graphs (Domain, Range, y-intercept)				
	Zeros of Polynomials	Retake Polynomial Division Quiz 2 (if needed)			
		Zeros of Polynomials: Introduction (5:08)			
		Zeros of Polynomials: Plotting Zeros (3:18)			
		Zeros of Polynomials: Matching Equation to Zeros (3:50)			
		Zeros of Polynomials: Matching Equation to Graph (3:00)			

Date	Lesson/Topics	Khan Academy Videos/Exercise Sets	Done?	
	Zeros of Polynomials	Zeros of Polynomials (with Factoring): Grouping (4:54)		
		Zeros of Polynomials (with Factoring): Common Factor (3:31)		
		Zeros of Polynomials (Factored Form) – Practice Set		
		Zeros of Polynomials (with Factoring) - Practice Set		
	Minimum and Maximum Points	Introduction to Minimum and Maximum Points (5:29)		
		Worked Example: Absolute and Relative Extrema (4:57)		
		Relative Maxima and Minima – Practice Set		
		Absolute Maxima and Minima – Practice Set		
Wed/	Live Session:			
Thur	Answer Questions/Rev	view about Zeros and Maxima/Minima		
4/22-23	Review Increasing/Dec Introduce Birthday Pro	ireasing intervals		
	Positive and Negative Intervals of Polynomials	Positive and Negative Intervals of Polynomials (8:39)		
	Multiplicity of Zeros	Multiplicity of Zeros of Polynomials (6:35)		
		Zeros of Polynomials (Multiplicity) (4:59)		
		Zeros of Polynomials and Their Graphs (Article)		
		Positive and Negative Intervals of Graphs (Article)		
		Positive and Negative Intervals of Polynomials – Practice		
		Zeros of Polynomials (Multiplicity) – Practice		
	End Behavior of Polynomials	Introduction to End Behavior of Polynomials (8:09)		
		End Behavior of Polynomials (Article)		
		End Behavior of Polynomials – Practice		
	Putting it All Together	Graphs of Polynomials (Article)		
		Honors: Graphs of Polynomials: Challenge Problems (Article)		
Fri 4/24		Polynomial Graphs Unit Test		
Mon/	Live Session:			
Tues	Answer Questions/Review about Positive/Negative Intervals and End Behavior			
4/2/-20	Answer Questions about Birthday Project Eeedback ret 1st Remote Learning Unit			
		Retake Polynomial Graphs Unit Test (if needed)		
		Complete Birthday Project		