Name: Mrs. Woods		Grading Quarter: 1	Week Beginning: 9/11/23
School Year: 23-24		Subject: Precalculus	
Monday	Notes:	Objective: Students will be able to write an explicit formula for a geometric sequence. Lesson Overview: Notes: geometric sequences are discrete exponential functions. Notation (a_n and n as variables), recursive vs explicit, solving for both n and a_n Partner whiteboard practice	Academic Standards: RFR.ISS.1 Model real-world situations involving sequences or series using recursive and/or explicit definitions. RFR.ISS.2 Use covariational reasoning to describe sequences and series.
Tuesday	Notes:	Objective: Students will be able to find the sum of an arithmetic series. Lesson Overview: Notes: Derive the basic formula using 1+2+…+100. Include examples where the sum is given and students must find the number of terms, or final term of the series. Discuss how the sum of an infinite arithmetic series does not exist (or diverges to infinity).	Academic Standards: RFR.ISS.1 Model real-world situations involving sequences or series using recursive and/or explicit definitions. RFR.ISS.2 Use covariational reasoning to describe sequences and series.
Wednesday	Notes:	Objective: Students will be able to find the sum of a finite geometric series. Lesson Overview: Start with quiz on lessons 1 and 2 Notes: Introduce sigma notation. Show students how to find the sum on a calculator. Give the formula for a finite series. Practice together as a class, then on mini whiteboards with a partner using Kuta worksheet.	Academic Standards: RFR.ISS.1 Model real-world situations involving sequences or series using recursive and/or explicit definitions. RFR.ISS.2 Use covariational reasoning to describe sequences and series.
Thursday	Notes:	Objective: Students will be able to find the sum of an infinite geometric series. Lesson Overview: Notes: Give the formula for an infinite series. Practice together as a class, then on mini whiteboards with a partner using Kuta worksheet.	Academic Standards: RFR.ISS.1 Model real-world situations involving sequences or series using recursive and/or explicit definitions. RFR.ISS.2 Use covariational reasoning to describe sequences and series.

Friday	Notes:	Objective: Students will be able to find the sums of finite and infinite arithmetic and geometric series. Lesson Overview: Practice problems from last three lesson in groups first and then on Kahoot.	Academic Standards: RFR.ISS.1 Model real-world situations involving sequences or series using recursive and/or explicit definitions. RFR.ISS.2 Use covariational reasoning to describe sequences and series.