

Name: Woods		Grading Quarter: 3	Week Beginning: 2/12/24
School Year: 23-24		Subject: AP Calc BC	
Monday	Notes:	Objective: Students will be able to show mastery of chapter 7 concepts. Lesson Overview: Chapter 7 Test	Academic Standards: 6.12 Integrating Using Linear Partial Fractions 1.E Apply appropriate mathematical rules or procedures, with and without technology 6.13 Evaluating Improper Integrals 1.E Apply appropriate mathematical rules or procedures, with and without technology 7.9 Logistic Models with Differential Equations 3.F Explain the meaning of mathematical solutions in context.
Tuesday	Notes:	Objective: Students will be able to determine the convergence or divergence of sequences. Lesson Overview: Notes – focus on the nth term and how that relates to limits, infinity, etc. Define boundedness and monotonicity. Use worksheets for students to practice determining if a sequence converges. Use Desmos for visual of discrete points.	Academic Standards: 10.1 Defining Convergent and Divergent Infinite Series 3.D Apply an appropriate mathematical definition, theorem, or test.
Wednesday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Notes – basic series: geometric, telescoping, harmonic Learn how to use summation (σ) notation and relate to what we learned in precalculus	Academic Standards: 10.2 Working with Geometric Series 3.D Apply an appropriate mathematical definition, theorem, or test. 10.5 Harmonic Series and p-Series 3.B Identify an appropriate mathematical definition, theorem, or test to apply
Thursday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Notes: Series tests for nth term, integral test, and p-series. After direct instruction, students will work problems out collaboratively on the front whiteboard.	Academic Standards: 10.3 The nth Term Test for Divergence 3.D Apply an appropriate mathematical definition, theorem, or test. 10.4 Integral Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. 10.5 Harmonic Series and p-Series 3.B Identify an appropriate mathematical definition, theorem, or test to apply

Friday	Notes:	No School	Academic Standards:
--------	--------	-----------	---------------------