

Name: Woods		Grading Quarter: 3	Week Beginning: 3/4/24
School Year: 23-24		Subject: AP Calc BC	
Monday	Notes:	<p>Objective: Students will be able to determine the convergence or divergence of series.</p> <p>Lesson Overview: Begin Taylor Series Build e^x using tangent lines and derivatives Show how multiple derivatives create factorials</p>	<p>Academic Standards:</p> <p>10.11 Finding Taylor Polynomial Approximations of Functions 3.D Apply an appropriate mathematical definition, theorem, or test. 2.C Identify a re-expression of mathematical information presented in a given representation.</p>
Tuesday	Notes:	<p>Objective: Students will be able to determine the convergence or divergence of series.</p> <p>Lesson Overview: Review for Midterm using book, Khan Academy, and AP classroom practice problems.</p>	<p>Academic Standards:</p> <p>10.8 Ratio Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. 10.9 Determining Absolute or Conditional Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. 10.11 Finding Taylor Polynomial Approximations of Functions 3.D Apply an appropriate mathematical definition, theorem, or test. 2.C Identify a re-expression of mathematical information presented in a given representation. 10.13 Radius and Interval of Convergence of Power Series 2.C Identify a re-expression of mathematical information presented in a given representation. 10.15 Representing Functions as Power Series 3.D Apply an appropriate mathematical definition, theorem, or test.</p>

Wednesday	Notes:	<p>Objective: Students will be able to determine the convergence or divergence of series.</p> <p>Lesson Overview: Midterm Assessment</p>	<p>Academic Standards:</p> <p>10.8 Ratio Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test.</p> <p>10.9 Determining Absolute or Conditional Convergence 3.D Apply an appropriate mathematical definition, theorem, or test.</p> <p>10.11 Finding Taylor Polynomial Approximations of Functions 3.D Apply an appropriate mathematical definition, theorem, or test. 2.C Identify a re-expression of mathematical information presented in a given representation.</p> <p>10.13 Radius and Interval of Convergence of Power Series 2.C Identify a re-expression of mathematical information presented in a given representation.</p> <p>10.15 Representing Functions as Power Series 3.D Apply an appropriate mathematical definition, theorem, or test.</p>
Thursday	Notes:	<p>Objective: Students will be able to determine the convergence or divergence of series.</p> <p>Lesson Overview: Discuss how Lagrange Error bound applies to specific types of Taylor polynomials.</p>	<p>Academic Standards:</p> <p>10.11 Finding Taylor Polynomial Approximations of Functions 3.D Apply an appropriate mathematical definition, theorem, or test. 2.C Identify a re-expression of mathematical information presented in a given representation.</p>
Friday	Notes:	<p>Objective: Students will be able to determine the convergence or divergence of series.</p> <p>Lesson Overview: Practice with Lagrange Error bound in AP free response questions.</p>	<p>Academic Standards:</p> <p>10.11 Finding Taylor Polynomial Approximations of Functions 3.D Apply an appropriate mathematical definition, theorem, or test. 2.C Identify a re-expression of mathematical information presented in a given representation.</p>