

Name: Mrs. Woods		Grading Quarter: 1	Week Beginning: 9/18/23
School Year: 23-24		Subject: AP Calculus AB	
Monday	Notes:	<p>Objective: Students will show mastery of Chapter 3 concepts in the Chapter 3 review.</p> <p>Lesson Overview: Use the chapter review questions in the textbook to practice for the test on Wednesday. Choose three difficult ones to do together first, then split students into groups to finish the remainder of them.</p>	<p>Academic Standards: 3.1 The Chain Rule 1.C Identify an appropriate mathematical rule or procedure based on the classification of a given expression (e.g., Use the chain rule to find the derivative of a composite function). 3.2 Implicit Differentiation 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Tuesday	Notes:	<p>Objective: Students will show mastery of Chapter 3 concepts in the Chapter 3 review.</p> <p>Lesson Overview: Use the chapter review questions in the textbook to practice for the test on Wednesday. Choose three difficult ones to do together first, then split students into groups to finish the remainder of them.</p>	<p>Academic Standards: 3.1 The Chain Rule 1.C Identify an appropriate mathematical rule or procedure based on the classification of a given expression (e.g., Use the chain rule to find the derivative of a composite function). 3.2 Implicit Differentiation 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Wednesday	Notes:	<p>Objective: Students will show mastery of Chapter 3 concepts in the Chapter 3 review.</p> <p>Lesson Overview: Chapter 3 Test</p>	<p>Academic Standards: 3.1 The Chain Rule 1.C Identify an appropriate mathematical rule or procedure based on the classification of a given expression (e.g., Use the chain rule to find the derivative of a composite function). 3.2 Implicit Differentiation 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Thursday	Notes:	<p>Objective: Students will be able take derivatives of common formulas to solve related rates problems.</p> <p>Lesson Overview: Review common formulas: area of circle, Pythagorean theorem, etc. Show how Leibniz notation illustrates the difference in the independent variable and what we are taking the derivative with respect to. Solve several examples together.</p>	<p>Academic Standards: 4.4 Introduction to Related Rates 1.E Apply appropriate mathematical rules or procedures, with and without technology. 4.5 Solving Related Rates Problems 3.F Explain the meaning of mathematical solutions in context.</p>

Friday	Notes:	<p>Objective: Students will be able take derivatives of common formulas to solve related rates problems.</p> <p>Lesson Overview: Use Khan Academy to practice extra related rates problems.</p>	<p>Academic Standards:</p> <p>4.4 Introduction to Related Rates 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p> <p>4.5 Solving Related Rates Problems 3.F Explain the meaning of mathematical solutions in context.</p>
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