

AP Calculus	Monday 11/3/25	Tuesday 11/4/25	Wednesday 11/5/25	Thursday 11/6/25	Friday 11/7/25
<b>AP Calculus Goals</b> <a href="#">Link to AP Calculus Course Description</a>	<b>FUN-3.A</b> Calculate derivatives of familiar functions. <b>FUN-3.B</b> Calculate derivatives of products and quotients of differentiable functions.	<b>FUN-3.A</b> Calculate derivatives of familiar functions. <b>FUN-3.B</b> Calculate derivatives of products and quotients of differentiable functions.	<b>FUN-3.A</b> Calculate derivatives of familiar functions. <b>FUN-3.B</b> Calculate derivatives of products and quotients of differentiable functions.	<b>FUN-3.A</b> Calculate derivatives of familiar functions. <b>FUN-3.B</b> Calculate derivatives of products and quotients of differentiable functions.	<b>FUN-3.A</b> Calculate derivatives of familiar functions. <b>FUN-3.B</b> Calculate derivatives of products and quotients of differentiable functions.
<b>Objective(s)</b> Students will be able to:	use derivatives to solve problems involving rates of change.	use the rules for the six basic trigonometric functions.	approximate derivatives and use derivatives to solve application problems.	approximate derivatives and use derivatives to solve application problems.	approximate derivatives and use derivatives to solve application problems.
<b>Activities</b>	<ol style="list-style-type: none"> <li>Go over homework questions.</li> <li>Do p. 136 # 10, 11, 16 &amp; 19 as guided practice.</li> <li>Continue with applications of the derivative as a rate of change, Sec. 3.4 p. 127-134.</li> <li>Continue guided practice with velocity and rates of change problems.</li> <li>Use problems from p. 136-138. (#16, 20, 23, 28, 47).</li> </ol>	<ol style="list-style-type: none"> <li>Go through homework questions &amp; solutions.</li> <li>Review Sec. 3.5 Derivatives of Trig Functions.</li> <li>Tell students that they must just memorize derivatives of trig. functions &amp; show them ways to remember the trig derivatives.</li> <li>Do guided practice with trig derivative problems.</li> </ol>	<ol style="list-style-type: none"> <li>Go over homework questions &amp; solutions.</li> <li>Continue with derivatives of Trig functions.</li> <li>Do a quick review of Chapter 3 for the Test on Friday.</li> <li>Do some guided practice at the board &amp; use AP Classroom problems.</li> <li>Assign homework.</li> </ol>	<ol style="list-style-type: none"> <li>Tell them to review Chapter 3 for the test tomorrow.</li> <li>Have the students do the Desmos Derivative Card Sort activity that is linked to Google Classroom.</li> <li>Tell them to finish the Chapter Review exercises &amp; study for the test tomorrow. They can look at the green worked out solutions manual if they are getting stuck.</li> </ol>	<ol style="list-style-type: none"> <li>Go over homework questions &amp; solutions.</li> <li>Do a quick review of Chapter 3 for the test.</li> <li>Pass out the Chapter 3 Test for students to complete.</li> <li>Collect when finished.</li> <li>Assign Read Sec. 4.1 p. 153-157.</li> </ol>
<b>Resources/Materials</b>	<ul style="list-style-type: none"> <li>SMART Board</li> <li>Textbook</li> <li>Graphing Calculator</li> </ul>	<ul style="list-style-type: none"> <li>SMART Board</li> <li>Textbook</li> <li>Graphing Calculator</li> </ul>	<ul style="list-style-type: none"> <li>SMART Board</li> <li>Textbook</li> <li>Chromebooks</li> <li>Desmos Card Sort Activity</li> </ul>	<ul style="list-style-type: none"> <li>SMART Board</li> <li>Textbook</li> <li>Whiteboard</li> </ul>	<ul style="list-style-type: none"> <li>SMART Board</li> <li>Textbook</li> <li>Whiteboard</li> <li>Chapter 3 Test</li> </ul>
<b>Assessments</b>	<ul style="list-style-type: none"> <li>Direct Questioning</li> <li>Guided Practice</li> <li>Homework</li> </ul>	<ul style="list-style-type: none"> <li>Guided Practice</li> <li>Direct Questioning</li> <li>Homework</li> </ul>	<ul style="list-style-type: none"> <li>Direct Questioning</li> <li>Guided Practice</li> <li>Homework</li> </ul>	<ul style="list-style-type: none"> <li>Direct Questioning</li> <li>Guided Practice</li> <li>Homework</li> </ul>	<ul style="list-style-type: none"> <li>Direct Questioning</li> <li>Guided Practice</li> <li>Homework</li> <li>Chapter 3 Test</li> </ul>
<b>Homework</b>	p. 136-138 #9, 14, 15, 18, 24, 25, 27, 29, 34.	p.146 & 147 #3-33 mult. of 3.	p. 148 & 149 Chapter Review red Exercises #11, 13, 29, 37, 39, 47, 49, 53, 59.	Finish Chapter Review exercises & study for the Chapter 3 Test.	Read Sec. 4.1 p. 153-157 on Chain Rule & do exercises following examples.