Name: Mrs. Woods			Grading Quarter: 2	Week Beginning: 10/14/24	
School Year: 24-25			Subject: AP Calculus AB		
	Notes:	No school	<u> </u>		
Monday					
Tuesday	Notes:	Objective: Student between inverse fi are connected. Lesson Overview: Notes: Graph y=x^ axes. Discuss how each graph is a ref derivatives at each formula for inverse	ts will examine the relation unctions and how inverse and y=cubrt(x) on the s domain and range switch flection of the other. Find n of these related points. e derivatives.	Academic Standards: 3.3 Differentiating Inverse Functions 3.G Confirm that solutions are accurate and appropriate. 3.4 Differentiating Inverse Trigonometric Functions 1.E Apply appropriate mathematical rules or procedures, with and without technology	
Wednesday	Notes:	Objective: Students will examine the relationships between inverse functions and how inverse derivatives are connected. Lesson Overview: Independent practice: explicit formulas, graphs, and table examples.		Academic Standards: 3.3 Differentiating Inverse Functions 3.G Confirm that solutions are accurate and appropriate. 3.4 Differentiating Inverse Trigonometric Functions 1.E Apply appropriate mathematical rules or procedures, with and without technology	
Thursday	Notes:	Objective: Student a logarithmic funct Lesson Overview: Warm up: Log pro Notes: Log derivat Definition of e as a	ts will be able to take the derivative of tion. operties and rules (including e^ln(x)=x) tive rules a limit (watch Numberphile video)		Academic Standards: 2.7 Derivatives of cos x, sin x, e x , and ln x 1.E Apply appropriate mathematical rules or procedures, with and without technology.

	Notes:	Objective: Students will be able to take the derivative of	Academic Standards:
		a logarithmic function.	2.7 Derivatives of cos x, sin x, e x , and In x 1.F Apply appropriate
Friday		Lesson Overview: Independent practice on Khan Academy	mathematical rules or procedures, with and without technology.