

Name: Mrs. Woods		Grading Quarter: 3	Week Beginning: 1/27/25
School Year: 2-425		Subject: AP Calculus AB	
Monday	Notes:	<p>Objective: Students will be able to integrate with u-substitution.</p> <p>Lesson Overview: Notes – u-substitution is the chain rule in reverse Practice as a class first, then with a partner second Indefinite integrals only</p>	<p>Academic Standards:</p> <p>6.9 Integrating Using Substitution 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Tuesday	Notes:	<p>Objective: Students will be able to integrate with u-substitution.</p> <p>Lesson Overview: Notes – u-substitution is the chain rule in reverse Practice as a class first, then with a partner second Indefinite and definite integrals</p>	<p>Academic Standards:</p> <p>6.9 Integrating Using Substitution 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Wednesday	Notes:	<p>Objective: Students will be able to solve separable differential equations</p> <p>Lesson Overview: Notes – how to separate x and y and integrate on both sides. Use Leibniz notation.</p>	<p>Academic Standards:</p> <p>6.9 Integrating Using Substitution 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Thursday	Notes:	<p>Objective: Students will be able to create slope fields.</p> <p>Lesson Overview: Notes – how to create a slope field given a grid of points and a differential equation. Slope field matching activity.</p>	<p>Academic Standards:</p> <p>6.9 Integrating Using Substitution 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>
Friday	Notes:	<p>Objective: Students will be able to create slope fields.</p> <p>Lesson Overview: Notes – how to create a slope field given a grid of points and a differential equation. Slope field matching activity.</p>	<p>Academic Standards:</p> <p>6.9 Integrating Using Substitution 1.E Apply appropriate mathematical rules or procedures, with and without technology.</p>