NOTE-TAKING

INSTRUCTION MANUAL

*See page 2 for directions

Problem example: Steps of the problem: If I get stuck on this type of problem, review or check: Questions to ask:	DATE:	What are the main concepts in this lecture?		
Problem example: Steps of the problem: If I get stuck on this type of problem, review or check: Questions to ask:	TOPIC(S):	1.		
Problem example: Steps of the problem: If I get stuck on this type of problem, review or check: Questions to ask:				
If I get stuck on this type of problem, review or check: Questions to ask:	CLASS:	3.		
If I get stuck on this type of problem, review or check: Questions to ask:				
	Problem example:		Steps of the problem:	
	If I get stuck on this type of pro	oblem, review or check:	Questions to ask:	
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Directions: Use the Instruction Manual method for note-taking when you want to organize equations and step-by-step solutions. List the problems/equations in the left-hand column; list the steps for solving the equations in the right-hand column.

Example:

DATE: TOPIC(S): U-Substitution CLASS: 252	What are the main concepts in this lecture? 1. Basic U-SUDS. 2. Recognizing Patterns 3. Chain Rule		
Problem Example:		Steps of the Problem:	
S(3x ² + 2x) Recognize: exponent of $U = X^3 + X^2$ $dx \cdot \frac{dU}{dx} = 3X^2 + X^2$	e is coefficient	How are the exponents & coefficients related? Make a u variable that includes as much as possible pretend duldx is a fraction,	
$\int_{0}^{3x^{2}+2x} dx$	x)dx (x3+x2) u x e(x3+x2)	multiply both sides by dx-do this so you can rewrite the original problem easier Substitute U in the original formula Take a deriviative as usual substitute the original value back in derived answer	
If I get stuck on this type of problem, review or check:		Questions to Ask:	
· unwind chain rule · what patterns do I recognize? · could I make it simplier?		what do I do it u does not exactly equal do? Could you do this with multiple variables?	

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