

WDYLT Part of each assignment in Calculus is your response to these 3 questions:

1. **What did you learn today that was new?** 2. **How does what you learned relate to what you previously knew?** 3. **What good is this new idea?**

You may answer these questions at any time during your assignment, but your responses should always appear as questions a, b, and c at the beginning of each assignment. Your responses will count as 1/5 of your score for each assignment.

CH. 7		Big Idea: Infinite Series	Enduring Understanding: Any differential function can be modeled with a series.		Enduring Question: How does my calculator evaluate $\sin(5)$?
Day	Title	Concept	LEARNING TARGETS (What I should understand, know, and be able to do.)	How am I doing? A= I knew how and got it right B= I knew how, but small error C= I had no idea/guessed right D= I had no idea/guessed wrong	Assessments/Learning Activities
43	7.1	Integrals Give the Accumulation of Rates	a. I understand that integration is a summing up process.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 7.1: 1, 3, 7, 10, 12, 13, 21, 25 <input type="checkbox"/> Review 6: 8, 35, 49 <input type="checkbox"/> 6.1: 53 <input type="checkbox"/> 4.4: 55 <input type="checkbox"/> 5.1: 29 <input type="checkbox"/> 5.5: 8 <input type="checkbox"/> 6.1: 16
			I understand that integrals are accumulator functions.		
			a. I can set up and evaluate integrals which accumulate rate of change over a time period.		
			b. I can find the displacement and total distance traveled when given a velocity function.		
44	7.2	Using integrals to Find the Area Between Curves	a. I see the calculation of areas as an accumulation of small partitions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 7.2: 1, 4, 9, 13, 25, 37, 49 <input type="checkbox"/> 7.1: 2, 17, 22 <input type="checkbox"/> Review 6: 69 <input type="checkbox"/> 4.2: 41 <input type="checkbox"/> 5.2: 48 <input type="checkbox"/> Review 5: 26 <input type="checkbox"/> 6.4: 5
			a. I can find the area between curves using integrals in terms of both dx and dy .		
Quiz 20		Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do to improve?
44	7.3, Part 1	Using Integrals to Find Volumes	a. I see the calculation of volumes as an accumulation of small partitions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 7.3: 13, 15, 17, 21, 27 <input type="checkbox"/> 7.2: 6, 10, 29 <input type="checkbox"/> 7.1: 27 <input type="checkbox"/> 4.5: 20 <input type="checkbox"/> 5.2: 15 <input type="checkbox"/> 5.5: 33 <input type="checkbox"/> 6.2: 22
			b. I can find volumes of solids of revolution using the disk and washer method.		
45	7.3, Part 2	Using Integrals to Find Volumes	a. I see the calculation of volumes as an accumulation of small partitions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 7.3: 1, 3, 5, 19, 23, 28, 39

			b. I can find volumes of solids of revolution using cross sections and the shell method.		<input type="checkbox"/> 7.2: 38 <input type="checkbox"/> 4.3: 39 <input type="checkbox"/> 5.3: 30 <input type="checkbox"/> 6.4: 26 <input type="checkbox"/> 7.1: 4
Quiz 21		Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do to improve?
46	7.4	Using Integrals to Find Lengths of Curves	a. I understand that the calculation of curve lengths as an accumulation of small partitions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 7.4: 3, 6, 12, 15, 21 <input type="checkbox"/> 7.3: 2, 4, 29, 33 <input type="checkbox"/> 5.4: 4, <input type="checkbox"/> 6.2: 65 <input type="checkbox"/> 7.2: 14
			b. I can calculate length of curves using integration.		
47	7.5	Using Integrals to Calculate Work	a. I see the calculation of work as an accumulation of small partitions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 7.5: 3, 5, 8, 11, 12, 21, 24 <input type="checkbox"/> 7.4: 9, 18, 22, 26, 32 <input type="checkbox"/> 7.3: 34, 41, 42
			b. I can determine the work done in compressing or stretching springs, lifting weights, pumping liquids, etc.		
Quiz 22		Score: ____ Possible: ____	What do I need help with?	What did I do to improve?	What's my plan?
Review 7					<input type="checkbox"/> WDYLT? <input type="checkbox"/> Review 7: 1, 2, 7, 10, 17, 20, 21, 24 <input type="checkbox"/> 7.5: 2, 4, 10, 16 <input type="checkbox"/> 7.4: 24, 27 <input type="checkbox"/> 7.3: 34, 45
48	Test 8	Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do to improve?