

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: Application of Integration	Enduring Understanding: Integrals can be used to calculate accumulation of almost any rate.		Enduring Question: What good are integrals?
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
52	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
			b. I understand that integrals are accumulator functions.		
			c. I can set up and evaluate integrals which accumulate rate of change over a time period.		
			d. I can find the displacement and total distance traveled when given a velocity function.		
53	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
			b. I can find the area between curves using integrals in terms of both dx and dy .		
Quiz 7a		Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do to improve?
54	7.3, Part 1	Using Integrals to Find Volumes (Cross Section Method)	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, 39, 40 <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 cross sections method.		
55	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: 7, 9, 11, 13, 16, 17, 19,

		(Disk and Washer Method)	a. I can find volumes of solids of revolution using disk and washer methods.		42 <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 7b		Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do to improve?
56	7.3, Part 3	Using Integrals to Find Volumes (Rotated about axes other than x and y .)	a. I see the calculation of volumes as an accumulation of small partitions.		<input type="checkbox"/> WDYLTP? <input type="checkbox"/> 7.3: 21, 30, 32, 33, 34, <input type="checkbox"/> 5.4: 4 <input type="checkbox"/> 6.2: 65 <input type="checkbox"/> Review 6: 44 <input type="checkbox"/> 7.2: 14
			b. I can find volumes of solids of revolution using shell method and when revolved around axes shifted from x - and y -axes.		
Quiz 7c		Score: ____ Possible: ____	What do I need help with?	How will I improve?	What did I do to improve?
57	Review 7		What do I need help with?		<input type="checkbox"/> Review 7: 1, 2, 3, 10, 11, 17, 21, 24, 53 <input type="checkbox"/> 7.3: 29, 50 <input type="checkbox"/> Review 6: 12 <input type="checkbox"/> 7.1: 14 <input type="checkbox"/> 7.2: 2, 35
58	8.2	L'Hôpital's Rule	a. I know that limits which evaluate to $0/0$, ∞/∞ , $0 \cdot \infty$, 1^∞ , etc. are indeterminate (can't be sure what they will be with out further analysis).		<input type="checkbox"/> WDYLTP? <input type="checkbox"/> 8.2: 1, 2, 5, 9, 12, 15, 16, 27, 29, 33, 35, 36, 55, 70 <input type="checkbox"/> Review 7: 54 <input type="checkbox"/> 7.3: 66 <input type="checkbox"/> Review 6: 16 <input type="checkbox"/> 7.1: 11, 15 <input type="checkbox"/> 7.2: 46
			b. I know that derivatives tell us how fast a function is growing. Therefore, derivatives can be used to compare rates of growth of functions.		
			c. I can evaluate limits for indeterminate forms: $0/0$, ∞/∞ .		
			d. I know that I need to be very cautious in attempting to use rules of arithmetic with limits involving 0 or ∞ .		
59	Test 7	Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do to improve?