

IB Ch 9 Test Outline

10 Questions (1 has more than one part)

- Evaluate indefinite integrals (with + C) and definite integrals (where you use FTC). You may or may not need to use u-substitution. You must show where you use FTC. Just show me the two numbers you are subtracting. You can use the calculator to check your work on your definite integrals.
- Use a velocity graph to find displacement and total distance traveled. Like what we did in our notes on Section 9.7 Example #18. NOT in the Chapter Review. See Hmwk O #4
- Write an expression for the area between two curves and then use the calc to evaluate.
- Find the volume when rotating a given curve in terms of pi. Must show where you use FTC. Just show me the two numbers you are subtracting. You can use the calculator to check your answer.
- Change in rate question like we did in our notes on Section 9.7 Example #19. NOT in the Chapter Review. See Hmwk P #3 or #4. Must set up the integral but then you can use the calculator to evaluate.
- Find total distance (by hand) when given a velocity function. Like in the review but use method #2. So you must do the integrals in pieces. You can use method #1 to check your work.

Extra Credit:

Two random review items.

One we did this year and one is review from Precal.