

Chapter 7 (Unit 7) Test

Date: _____

Self-Reflection for Studying for Test

Check off your answer to each question:

	Yes	Somewhat	No
Did you complete all HW?			
Did you correct any HW errors and complete any missing problems?			
Did you attend study groups every week?			
Did you ask questions in your study group on topics?			
Did you correct any Quiz errors?			

Rate your preparation for each of these topics on a scale of 0 to 5, where 0 is not at all prepared and 5 is well-prepared.

If you are not well-prepared for a topic, identify what can help you prepare for the Test (i.e., your notes, homework, mathkanection, Khan Academy, or other resources)

Topic	0	1	2	3	4	5	What to do to be better prepared
<i>Determine the area between curves and the area enclosed by intersecting curves with respect to x</i> <i>Determine the area between curves and the area enclosed by intersecting curves with respect to y</i> I can calculate the areas of regions in the plane using functions of either x or y . I can calculate the areas of regions in the plane using a sum of two or more definite integrals or by evaluating a definite integral of the difference of the two functions.							
<i>Determine the area bounded by polar curves</i> I can extend the concept of calculating areas in rectangular coordinates to polar coordinates. I can determine the area bounded by polar curves using definite integrals.							
<i>Calculate the volume of a solid using Cross Sections</i> I can find the volume of a solid with square, rectangular, triangular, semicircular or other geometrically defined cross sections using definite integrals and the area formulas for these shapes.							

Topic	0	1	2	3	4	5	What to do to be better prepared
<p><i>Calculate the volume of a solid using Disk and Washer Method</i></p> <p>I can find the volume of a solid revolved around the x-axis or y-axis using definite integrals with the disk method.</p> <p>I can find the volume of a solid revolved around any horizontal or vertical axis using definite integrals with the disk method.</p> <p>I can find the volume of a solid revolved around the x-axis or y-axis that forms rings (washers) using definite integrals with the washer method.</p> <p>I can find the volume of a solid revolved around any horizontal or vertical axis that forms rings (washers) using definite integrals with the washer method.</p>							
<p><i>Find the length of a curve, including a curve given in parametric form</i></p> <p>I can determine the length of a planar curve defined by a function using a definite integral.</p> <p>I can calculate the length of a parametrically defined curve using a definite integral.</p> <p>I can use the definite integral of speed (magnitude of velocity) to find a particle's total distance traveled over an interval of time.</p>							