**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 |
|---|---|---|---|---|---|---|---|
| *Determine the area between curves and the area enclosed by intersecting curves with respect to x* *Determine the area between curves and the area enclosed by intersecting curves with respect to y* 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. |  |  |  |  |  |  |  |
| *Calculate the volume of a solid using Cross Sections* 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. |  |  |  |  |  |  |  |
| *Calculate the volume of a solid using Disk and Washer Method* I can find the volume of a solid revolved around the *x*-axis or *y*-axis using definite integrals with the disk method. I can find the volume of a solid revolved around any horizontal or vertical axis using definite integrals with the disk method. 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. 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. |  |  |  |  |  |  |  |