Chapter 2 (Unit 2) 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**
Definition of the derivative, including the Alternate Form of the Derivative I can compute the derivatives of power, trigonometric, parametric, polar, and vector functions using the limit definition of the derivative. I can represent the derivative of a function as the limit of a difference quotient, including the alternate form of the derivative. I can recognize an expression for the definition of the derivative of a function (or alternate form of the derivative) whose derivative is known as a strategy for determining a limit.							
Differentiability, including sketching f' I can explain the relationship between the continuity and the differentiability of a function.							
Basic rules of differentiation, including Product and Quotient Rules I can compute the derivatives using correct notation of power, trigonometric, parametric, and vector functions using derivative rules involving sums, products, and quotients. I can interpret the derivative as the instantaneous rate of change of a quantity. I can find higher-order derivatives using correct notation. I can estimate a derivative from information given in tables or graphs. I can determine the equation of a line tangent to a curve at a given point., with or without a graphing calculator.							

Topic	0	1	2	3	4	5	What to do to be better prepared
Particle Motion I can describe the connection among position, velocity, and acceleration. I can use derivatives to solve problems involving velocity, speed and acceleration.							
Analyze planar curves in vector form, including velocity and acceleration I can use parametrically-defined vector functions to describe the position, velocity, acceleration, and speed of an object.							
Understand the difference between instantaneous and average rate of change I can use derivatives to describe the rate of change at a point, and compare it to average rate of change between two points. I can calculate rates of change in applied contexts.							