

**Chapter 6 (Unit 6) 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)

<b>Topic</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>What to do to be better prepared</b>
<i>Construct and analyze slope fields</i> I can construct slope fields as a graphical representation of a differential equation on a finite set of points in the plane. I can use slope fields to estimate solutions to differential equations.							
<i>Determine numerical solutions of differential equations using Euler's method</i> I can use Euler's method to determine an approximate solution to a differential equation at a point on a solution curve.							
<i>Solve separable and logistic differential equations.</i> I can determine general solutions to differential equations, including separation of variables. I can determine general and particular solutions for problems involving differential equations in context. I can interpret the meaning of the logistic growth model in context, including the carrying capacity (limiting value) and when the model is changing the fastest (inflection point).							