**Chapter 1 (Unit 1) 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** |
|---|---|---|---|---|---|---|---|
| *Limits Graphically*<br>I can evaluate a limit graphically using correct notation with and without a graphing calculator, including piece-wise functions. | | | | | | | |
| *Limits Numerically*<br>I can evaluate a limit numerically using correct notation with and without a graphing calculator, including piece-wise functions. | | | | | | | |
| *Limits Analytically*<br>I can evaluate a limit at a point and at infinity with correct notation using direct substitution, factor reduction, rationalization, or complex fraction simplification. | | | | | | | |
| *Limit Theorems*<br>I can determine the limits of functions using limit theorems: sums, differences, products, quotients, and composite functions. | | | | | | | |
| *One-Sided Limits*<br>I can describe the difference between a one-sided limit and a two-sided limit of a function, including piece-wise functions, with and without a graphing calculator.<br>I can evaluate a one-sided limit of a function analytically, graphically or numerically, including piece-wise functions, with and without a graphing calculator. | | | | | | | |

| Topic | 0 | 1 | 2 | 3 | 4 | 5 | What to do to be better prepared |
|---|---|---|---|---|---|---|---|
| *Limits Involving Infinity*<br>I can evaluate infinite limits and use them to define vertical asymptotes, with and without a graphing calculator.<br>I can use limits involving infinity to describe end behavior, with and without a graphing calculator. | | | | | | | |
| *Continuity*<br>I can investigate and justify continuity at a point analytically, graphically, or numerically and identify the continuity of a function, at a point or over an interval.<br>I can determine whether a given function is continuous at a specific point, analytically, graphically or numerically.<br>I can describe discontinuities in a function and identify as removable or non-removable.<br>I can solve for parameters that make discontinuous functions continuous. | | | | | | | |
| *Intermediate Value Theorem*<br>I can determine if a function is continuous, and then apply the Intermediate Value Theorem. | | | | | | | |