**AP Calculus AB Chapter 1 Homework Assignments**

In addition to these assignments, review worksheets and readings will be given. Please label each homework assignment with the assignment name, page(s) and problems.

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| **Assignment Name** | **Pages and Problems** | **Date Completed** |
| 1.1 | Page 47 #7 and 11 |  |
| 1.2 & 1.3 A | Page 54 #1, 9-25 odds  Page 67 #1-25odds |  |
| 1.2 & 1.3 B | Page 67 #27-83 every other odd |  |
| 1.2 & 1.3 C | Complete Section 1.2 & 1.3 Day 3 Worksheet |  |
| 1.4 A | Page 78 #1-57 odds |  |
| 1.4 B | Page 78 #58, 59, 61, 75, 83  Intermediate Value Theorem Worksheet |  |
| 1.5 A | Page 88 #1-5 odds, 9-51 odds |  |
| Chapter 1 Review | Page 91 #1-5 odd, 11-27 odd, #31-67 odd, 70 |  |

**Big Ideas Learned in Chapter 1**

* Evaluate a limit graphically, algebraically, analytically and numerically
* Understand different ways that a limit can fail to exist
* Evaluate a limit using properties of limits
* Find one-sided limits
* Evaluate a limit using the Squeeze Theorem
* Determine continuity at a point and on both closed and open intervals
* Determine one-sided limits and continuity on a closed interval
* Use properties of continuity
* Understand and use the Intermediate Value Theorem
* Determine infinite limits from right and left
* Determine finite and infinite limits at infinity (End Behavior)
* Find and sketch vertical and horizontal asymptotes of the graph of a function using limits

**Topics I need to review before the Chapter Test:**