**Calculus Honors Chapter 2 Homework Assignments**

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

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| **Assignment Name** | **Pages and Problems** | **Completed** |
| 2.1 A | p. 103-104 #1, 11, 13, 17, 25 |  |
| 2.1 B | p. 104 #21, 23, 29, 31, 33 |  |
| 2.1 C | p. 104-106 #14, 22, 26, 30, 81 – 89 |  |
| 2.1 D | Finish review sheet |  |
| 2.2 A | p. 115 #3-17 odd, 25, 27, 29, 35 |  |
| 2.2 B | p. 115 #19, 21, 23, 37, 41, 43, 49, 51 |  |
| 2.2 C | p. 115-116 #53-63 odd, 75, 76 |  |
| 2.2 D | p. 117 #**83-88**, 89, 91 |  |
| 2.2 E | p. 117-118 #93-96, 103, 104 |  |
| 2.2 F | MC worksheet |  |
| 2.3 A | p. 126 #1-11 odd, 15, 17, 25, 31, 65, 73 |  |
| 2.3 B | p. 126 #13, 29, 41-53 odd, 61, 67 |  |
| 2.3 C | p. 126-128 #16, 32, 44, 60, 93-101 odd, 116 |  |
| 2.3 D | p. 126-127 #4, 10, 18, 28, 42, 48, 54, 68 |  |
| 2.3 E | p. 126-127 #6, 12, 26, 30, 50, 62, 74 |  |
| 2.3 F | p. 158 #26, 44, 57, 61, 64 & MC worksheet |  |
| 2.4 A | p. 137 #7-21 odd, 43, 69, 71 |  |
| 2.4 B | p. 138 #23-31 odd, 41, 45, 47, 59, 61 |  |
| 2.4 C | p. 138 #49, 51, 53, 57, 63, 67, 73 |  |
| 2.4 D | p. 137 #16, 18, 26, 46, 66, 68 & p. 140 #**120**, **121** |  |
| 2.4 E | MC worksheet |  |
| Review 2.1-2.4 A | Review sheet |  |
| Review 2.1-2.4 B | MC worksheet |  |
| Review 2.1-2.4 C | Worksheet & p. 158 #2, 8, 10, 12, 50, 62, 67-75 odd, 79, 81 |  |
| 2.5 A | p. 146 #1-15 odd |  |
| 2.5 B | p. 146 #21-28 |  |
| 2.5 C | p. 146-147 #29, 31, 35, 45, 53, 57 |  |
| 2.5 D | p. 146-147 #2, 4, 10, 30, 50, 51, 54, 58 |  |
| 2.5 E | MC worksheet |  |
| 2.6 A | Worksheet |  |
| 2.6 B | p. 154 #1-4 |  |
| 2.6 C | p. 154 # 5, 8, 13, 15, 16 |  |
| 2.6 D | p. 154-155 #18, 20, 22, 24, 27 a and b only |  |
| 2.6 E | p. 154-156 #19, 21, 23, 31, 32 |  |
| 2.6 F | Finish worksheet |  |
| 2.6 G | Review worksheet |  |
| 2.6 H | MC worksheet & p.155 #35, 36 |  |

**Big Ideas Learned in Chapter 2**

* Find the slope of a tangent or normal line to a curve at a point.
* Use the limit definition to find the derivative of a function.
* Understand the relationship between continuity and differentiability.
* Find derivatives of functions using Power, Sum and Difference, Constant Multiple, Product and Quotient Rules.
* Find derivatives of trig functions.
* Use derivatives to find rates of change.
* Find a higher-order derivative of a function (ex. ).
* Find the derivative of composite functions using the Chain Rule.
* Distinguish between functions written in implicit form and explicit form.
* Use implicit differentiation to find the derivative of a function.
* Find and use related rates to solve application problems.
* Understand and use the relationships between position, velocity and acceleration to solve problems.

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