All learning is standards based – You must complete each assignment to be eligible to retest. Work hard! I know you can do this! **This unit is required for successful completion of Algebra 2. You MUST earn at least a 70% on each standard in order to move on to the next test.**

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| OA.1 (Functions): I can represent a relation as a table, as a graph, as a math sentence, and in words.  |
| Assignment |  Due Date | Score | Focus/Comments |
| Practice Questions*Pg. 65: 8, 27, 28, 33* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| OA.2 (Functions): I can decide whether a relation is or is not a function.  |
| Assignment | Due Date | Score | Focus/Comments |
| Practice Questions*Pg. 65: 10, 12, 14, 16, 36, 37, 39* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| OA.3 (Functions): I can write a function in function notation, identify the independent and dependent variables, and evaluate a function.  |
| Assignment | Due Date | Score | Focus/Comments |
| Create your own functions |  |  |  |
| Practice Questions*Pg. 65: 18, 20, 24, 26, 31, 3, 402* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| OA.4 (Functions): I can identify the domain and range of a function.  |
| Assignment | Due Date | Score | Focus/Comments |
| Practice Questions*Pg. 65: 9, 29, 30* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| OA.5 (Functions): I can manipulate a parent function by translating, compressing and reflecting within the coordinate plane.  |
| Assignment | Due Date | Score | Focus/Comments |
| Practice Questions*Pg. 104: 12, 14, 16, 20, 22, 24, 25, 32, 36, 40, 4, 42* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

***Vocabulary***

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| --- | --- | --- | --- | --- | --- |
| Domain | Function | Independent variable | Parent function | Range | Relation |
| Translation | Vertex | Vertical compression | Vertical stretch | Vertical-line test | *x*-intercept |
| *y*-intercept | Continuous | Discontinuous | Function notation | Evaluate | Solve |
| Simplify | Linear | Nonlinear |  |  |  |