All learning is standards based – Begin with a standard and practice, practice, practice until you are proficient. Although you are not given a grade for the practice work, you must correctly complete each assignment to be eligible to retest. As each formative assessment is completed, we will update this form to track your progress. Please place ALL work behind your tracker in your binder.

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| Chapter 7 Get Ready! | | | |
| Assignment | Date | Score | What I did well/need to work on |
| *P. 431: 2,4,8,12-15* |  |  |  |

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| 7.1.1 (Functions): I can recognize an exponential growth/decay function by its equation &/or its graph **and** determine the appropriate domain and range | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *P. 439:6-9,18,20,22,34,39,41* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| 7.1.2 (Modeling): I can model real-world exponential situations with an equation, table, &/or graph and use these forms to make predictions. | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *P. 439:26,28,31-33 AND P. 447: 22* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| 7.2.1 (N&Q): I can define the number e and use it to explain compounding continuously. | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Exit Slip P. 448: 31 |  |  |  |
| Practice Questions  *Pg. 447:28,32,42* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| OA.5 (Functions): I can identify the translation and compression/reflection of an exponential function or a logarithmic function using Graph Translation Theorem | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *Pg. 447:17,20,21 AND*  *P. 456: 42,74,76* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| 7.3.1 (Functions): I can explain the relationship between logarithms and exponential functions **and** fluently translate between the two forms | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *Pg. 456: 12,18,46,52,56,58, 62,65* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| 7.4.1 (N&Q): I can condense/expand logarithms using properties of logarithms. | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *Pg. 466: 10,12,18,26,40,52,56,63*  *P. 481: 13,14,18* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| 7.4.2 (N&Q): I can evaluate logarithms mentally and by using the *Change of Base Formula*. | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *Pg. 456: 21,22,26,28*  *Pg. 466: 30,35*  *Pg. 482: 52* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| 7.5.1/7.6.1 (Algebra): I can solve for an unknown quantity using the definition of a logarithm. | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Exit Slip: P. 481: 40, 42 |  |  |  |
| Practice Questions  *Pg. 473: 12,31,33,36,62,68,73*  *Pg.481: 20,24,30,35,38, 58,59* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

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| Supplemental (Functions): I can explain the purpose of (and use formulas for) common logarithms in real life applications, such as the Richter scale, the pH scale, and the decibel scale. | | | |
| Assignment | Date | Score | What I did well/need to work on |
| Practice Questions  *Pg. 457: 32,34,44,45*  *Pg.466:38, 45,46,74* |  |  |  |
| Checkpoint Quiz |  |  |  |
| Summative Score |  |  |  |

Vocabulary:

* Asymptote
* Change of base formula
* Common logarithm
* Continuously compounded interest
* Decay factor
* Exponential decay
* Exponential growth
* Growth factor
* Logarithm
* Logarithmic scale
* Natural base
* Natural logarithm