**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Unit 1: Functions**

**Pre-Calculus (Fall 2018)**

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| --- | --- | --- | --- |
| Day | Date | Topic | Pages |
| 1 | Mon.8/27 | Intro to Pre-Calculus – Syllabus/Get to know each otherSec 1.2 Part 1: Interval Notion, Domain & Range | p.1-4HW 1-3 |
| 2 | Tues.8/28 | Sec 1.2 Part 2: Extrema, Symmetry, Boundedness, Increasing & Decreasing | p.5-7HW 4-7 |
| 3 | Wed.8/29 | Sec 1.2 Part 3: Asymptotes, End Behavior, & Discontinuity | p.8-10HW 8-9 |
| 4 | Thurs.8/30 | Quiz Review**Quiz #1: Section 1.2** |  |
| 5 | Fri.8/31 | Notes 1.3 : Twelve Basic Functions | p.11-14HW10-12 |
| 6 | Tues.9/4 | Notes 1.3 : Piecewise Functions | p.15-16HW13-14 |
| 7 | Wed.9/5 | Notes 1.4 Part 1: Domain of Combinations & Compositions, Decomposing Functions | p.17-18HW15-18 |
| 8 | Thurs.9/6 | Notes 1.4 Part 2: Identify Implicitly Defined Functions, Inverses of Functions, One-to-one Functions | p.19-21HW19-23 |
| 9 | Fri.9/7 | **Quiz #2: Sec 1.3-1.4**Notes 1.5: Transformations | p.22-23HW24-29 |
| 10 | Mon.9/10 | Review Unit 1 |  |
| 11 | Tues.9/11 | **Test Unit 1** |  |

 MATH TUTORIALS- TUESDAY (B) & THURSDAY (A)

Tutorials are required for any student with missing work.

Unit 1 – Functions Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pre-Calculus Spring 2018 Date: \_\_\_\_\_\_\_\_\_ Block: \_\_\_\_

Classwork/Homework Completion Grade Sheet

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| Day# | Assignment Name | Page | Grade |
|  | Worksheet - Interval Notation | p.1 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Textbook Practice - Section 1.2 Exercises (p.98 #1-20) – Show work on own paper! | p.2 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet - Domain of Function A/B \*EVENS ONLY\* - Show work on own paper! | p.3 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Textbook Practice – Section 1.2 Exercises continued (p.98 #21-28 & 47-66) - Show work on own paper! | p.4 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet - Even and Odd Functions | p.5 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet - Increasing & Decreasing - Show work on own paper! | p.6 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet - End Behavior | p.7 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Text Practice – Section 1.3 Exercises (p.109 #1-24) - Show work on own paper! | p.8 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet - Graph the Piecewise Functions | p.9 & p.10 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Textbook Practice – Section 1.3 Exercises continued (p.110 #45-52 & #60-63) | p.11& p.12 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Textbook Practice – Section 1.4 Exercises (p.127-128 #1-6, 9-20, & 27-30) - Show work on own paper!  | p.13 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet - Composition of Functions | p.13 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Textbook Practice - Section 1.4 Exercises Continued (p.128 #39-62 & #1-12) - Show work on own paper! | p.14 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  | Worksheet – Inverses A | p.15 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  |  Worksheet – Factoring Perfect Square  Trinomials/Determining Implicitly Defined  Functions  | p.16 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  |  Worksheet - Parent Graphs & Transformations | p.17 & p.18 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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|  |  Test Review Materials | p.19 throughp.22 |

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| 100 | 92 | 84 | 76 | 68 | 60 |

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| Unit Homework Grade: $\frac{}{}$ = \_\_\_\_\_\_ % |