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| **Class** | **PreCalculus** | **Topic** | **Function Operations and Composition of Functions** | **Lesson** | 6 | **Of** | 1 |

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| **Objective** | Students will:   * Combine standard function types using arithmetic operations. * Compose functions. |
| **“I Can” Statement** | I can combine standard function types using arithmetic operations.  I can compose functions. |

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| **Common Core Standards** | CCSS.MATH.CONTENT.HSF.BF.A.1  Write a function that describes a relationship between two quantities.\*  CCSS.MATH.CONTENT.HSF.BF.A.1.B  Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.  CCSS.MATH.CONTENT.HSF.BF.A.1.C  Compose functions. For example, if T(y) is the temperature in the atmosphere as a function of height, and h(t) is the height of a weather balloon as a function of time, then T(h(t)) is the temperature at the location of the weather balloon as a function of time. |

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| Bell **Work** | See 1-6 Bell work |

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| **Procedures** | 1. Start and lead student discussion related to the bell work.  2. Distribute the Guided Notes  3. Present lesson or play a video lesson.  4. Use an Online Activity if time permitted.  5. Distribute Lesson Assignment. |

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| **Assessment** | Bell Work 1-6  Assignment 1-6  Exit Quiz 1-6 |

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| **Additional Resources** | See Online Activities |