Instructional Flow – Unit 6 – Exponential and Logarithmic Functions

8.1   **Exponential Growth**
- definition of exponential functions
- properties and graphs including transformations
- applications

8.2   **Exponential Decay**
- properties and graphs
- applications

8.3   **The Number *e***
- definition
- evaluation of expressions with base *e*
- applications

8.4   **Logarithmic Functions**
- definition
- logarithmic expressions
- properties and graphs
- inverse relationship between exponential and logarithmic functions
- applications

8.6   **Solving Logarithmic and Exponential Equations**
- exponential and logarithmic equations
- applications

8.7   **Modeling with Exponential ~~and Power~~ Functions**
- exponential models
- applications