- Section 3.1 - Exponential functions

    1. Definition: Domain, range, asymptote, graph, transformation.
    2. Compound interest problems.

- Section 3.2 - Logarithmic functions

    1. Definition: Inverse of exponential function. Domain, range, asymptote, graph, transformation.
    2. Computing log by hand for specific values.

- Section 3.3 - Properties of the logarithm

    1. Various rules for expanding and contracting log expressions.
    2. Change of base formula and using the calculator to compute logs.

- Section 3.4 - Exponential and logarithm equations

    1. Solving both exponential and logarithmic equations.
    2. Remember: you can always "take the log" of both sides or raise both sides to a specific power.

- Section 3.5 - Exponential growth and decay

    1. Exponential growth: interest, population, etc. Rate of growth.
    2. Exponential decay: radioactive elements, temperature, etc. Rate of decay.
    3. The logistic model & working with exponentials in general inside models.

- Section 4.1 - Angles and radians

    1. Definition of radians and conversion between degrees and radians.
    2. Standard form of an angle.
    3. Coterminal angles.
    4. Working with angular speed.

- Section 4.2 - Trigonometric functions

    1. Definition & values for specific special angles.
    2. The unit circle.
    3. Function properties: periodic, odd/even. Positive/negative as it pertains to the unit circle.

- Section 4.3 - Right triangles

    1. The special triangles, both of them.
    2. Cofunction identities (p.529)
    3. Using the trigonometric functions to answer questions.

- Section 4.4 - Trigonometric functions of any angle

    1. Working with trigonometric functions on any right triangle or coordinate.
    2. Reference angles.