

## Topics for the First Midterm Exam

- Properties of exponents and logarithms.
- Exponential and logarithmic equations.
- Exponential growth and decay.
- The elementary trigonometric functions (sin, cos, tan, sec, csc, cot).
- Trigonometric functions of real numbers (including coterminal numbers and reference numbers).
- Graphs of the elementary trigonometric functions.
- Transformations of the graphs of sine and cosine.
- Simple harmonic motion.

These topics are covered in Chapters 4 and 5 of the recommended textbook (by Stewart, Redlin, and Watson).