UNIT 6 TOPIC LIST

- Exponential growth and decay models
  - Growth and decay factors \(\frac{1 + r}{1 - r}\)
  - Percent increase and decrease
- Finding and graphing inverse functions
- Evaluating logarithms
- Simplifying logarithmic and exponential expressions
- Common logarithms and natural logarithms
- Transformations of exponential and logarithmic functions
- Properties of logarithms
  - Expand and condense logarithms
  - Using properties to find unknown values
- Change of base formula
- Solving exponential and logarithmic equations
  - Same base, rewrite, condense/expand, same log
  - Checking for extraneous solutions (logs only)
- Word Problems!

Recommended Review Problems

Chapter Review: #1-3, 5-7, 11-33

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