

Analysis CP- Can You

Unit 13: Exponential, Logarithmic, and Financial Functions

CAN YOU:

- Use the properties of logarithms to evaluate expressions and/or solve equations?
- Use the formulas below to solve real world problems involving exponential growth and decay:
 - $y = a(b)^x$
 - $y = a(b)^{\frac{x}{T}}$ (Half-life)
- Use the formulas below to solve real world financial problems:
 - *Compounding Interested
 - *Compounding Continuous
 - *Effective Yield (for compounding and continuous)
- Solve problems that use the following terms:
 - Growth or Decay
 - Half-life
 - Double, Triple, etc.
 - Growth rate or growth factor
 - Interest compounded annually, monthly, daily, etc.
 - Inflation
 - Future Value
 - Present Value
 - Annuity
 - Deposit or Down payment
 - Mortgage
 - Interest Compounded Continuously
 - Amortize
 - Nominal rate
 - Sinking Fund
 - Effective Annual Yield or AYP
 - Depreciate