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:

o *y*  *a*(*b*)*x x*

o *y*  *a*(*b*)*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:

o Growth or Decay o Inflation

o Half-life o Future Value

o Double, Triple, etc. o Present Value

o Growth rate or growth factor o Annuity

o Interest compounded annually, monthly, daily, etc.

o Deposit or Down payment

o Mortgage

o Interest Compounded Continuously o Amortize

o Nominal rate o Sinking Fund

o Effective Annual Yield or AYP o Depreciate