

Advanced Math

3-5
(Day 1)

Exponential and Logarithmic Models

Exponential Growth and Decay Model:

Find the missing information given interest is continuously compounded .

7) Initial Investment: \$1000; Annual Percentage Rate: 12%

Time to Double:

Amount after 10 years:

Find the missing information for each radioactive isotope.

25) ^{226}Ra has a half-life of 1620 years. Given an initial quantity of 10g, how much will remain after 1000 years?

Find the exponential function $y = ae^{bx}$ that fits the given information.

*) Contains points (0, 4) and (2, 11)

Assignment: pg. 346 1-6 all, 8-14 even, 18, 26-38 all.
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