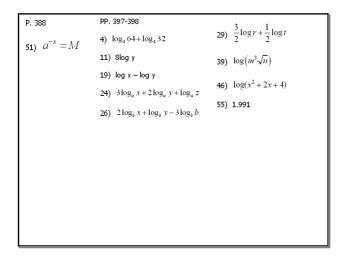
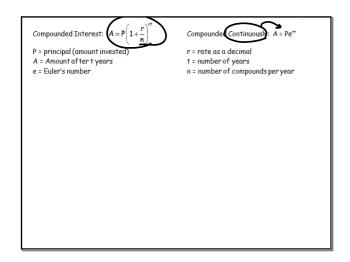
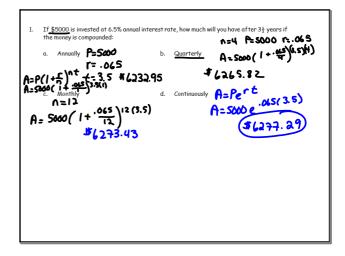
U4D7.notebook November 26, 2018



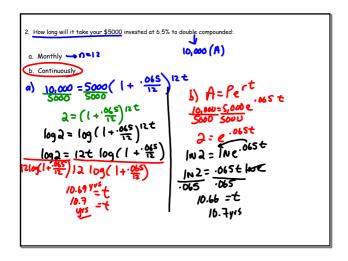


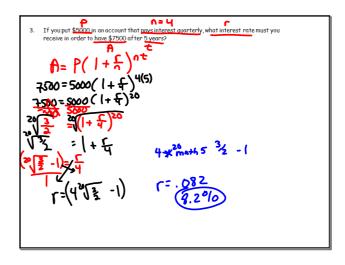
Nov 15-2:56 PM Nov 10-11:11 AM





Nov 10-9:00 AM Nov 10-9:02 AM





Nov 28-10:30 AM Nov 10-9:03 AM

1

The mass of a radioactive element at time t is given by $A = A_0 \left(\frac{1}{2}\right)^{\frac{1}{L}}$ Where A_0 is the initial mass and h is the half-life of the element. $5. \quad \text{After 43 years, a 20-milligram sample of strontium-90 ($^{\infty}$Sr) decays to 6.071 mg. What is the half-life of strontium-90? }$

Nov 10-9:03 AM

Nov 10-9:03 AM

6.	When a living organism dies, its carbon-14 decays. The half-life of carbon-14 is 5730 years. If the skeleton of a mastodon has lost 58% of its original carbon-14, when did the mastodon die? (to the nearest hundred years)

Nov 10-9:03 AM