

Warm Up: Pre-Calc**9/25 Day 7**

Human decides to follow Mr. Benz's advice and opens an IRA for \$2,000. That human waits 50 years (from 18 to 68) and the stock market continues its 7% growth rate. How much money does human's \$2,000 turn into?

Feb 27-7:39 AM

W.A.L.T.:

Calculate compound interest.

W.A.S.I.:

We can use our understanding of simple interest problems and exponents to find the value of compounding interest.

Mar 7-9:45 AM

Notes!!! Calculating compound interest**Compound Interest Formula**

$$A = P \left(1 + \frac{r}{n} \right)^{nt}$$

A = amount in account
 P = principal invested
 r = annual interest rate as a decimal
 n = number of times per year that interest is compounded
 t = number of years

Mar 7-1:33 PM

Notes!!! Calculating compound interest

Human decides to follow Mr. Benz's advice and opens an IRA for \$2,000. That human waits 50 years and the stock market continues its 7% growth rate. If interest is compounded daily, how much money does human's \$2,000 turn into?

Mar 7-1:33 PM

In Class Work:

pg. 52 #1 - 2

pg. 53 #7 - 8

Mar 7-1:33 PM

Today's Activities:

- Compound interest. pg. 52 #1 - 2, pg. 53 #7 - 8

P.W. for tonight:

- pg. 54 #11 - 15

Day 7

Feb 27-7:23 AM