

Homework:

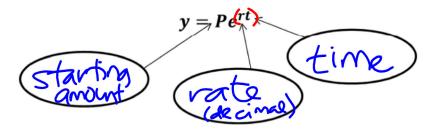
What questions do you have?

Finish Worksheet Comp. Int. Prac.

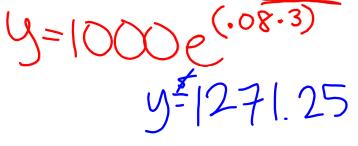
30-31Continuously Compound Interest.notebook

Continuous Compounded Interest $e - Ewer \otimes (in Calc)$ With continuously compounded interest, you are constantly earning interest and p.30 the interest keeps earning on the previous interest.

Formula for Continuous Compounded Interest



Example: You deposit \$1000 in a bank account that pays 8% annual interest. Find the balance after three years if the interest is compounded continuously.





1.) Find the amount of money you would have after 10 years if you invested \$15,000 at a rate of 1.75%, compounded continuously.

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2.) Find the amount of money you would have after 4 years if you invested \$20,000 at a rate of 3.5%, compounded continuously.

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4.) You need to choose where to invest \$5,000. Bank A offers 6% interest compounded monthly. Bank B offers 5.75% interest compounded continuously. You plan to invest for 10 years. Where should you invest your money?

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Practice time: Homework worksheet