

## Answer the following questions on this paper. Show your work or the key strokes you used on the calculator as this will also be a part of the grade.

- 1. John and Cindy receive \$15,000 in gifts from relatives for their wedding. They deposit the money into an account that pays 2.5% interest, compounded monthly.
  - a. What will be their balance at the end of 14 years?



b. What will be their balance at the end of 20 years?



2. Alex opens a savings account with \$1,000 that pays 3.25% interest, compounded quarterly. How much interest does Alex earn in the first quarter?



3. The neighborhood bank has a special 4.65% APR for deposits over \$5,000. Ray has \$26,000 to invest for one year. The interest is compounded monthly. Find the annual percentage yield for Ray's account to the nearest hundredth of a percent.

