

Name: _____

Date _____

Topic : Logarithm Word Problems- Worksheet 1

1. Ron invested \$55,000 in a ~~one-year~~ CD that pays out twelve percent compounded annually. What is the amount after fifteen years?

2. Jack invested \$35,786 in a ~~four-year~~ CD and it pays out nine percent compounded quarterly .what is the compound interest that will be in the account after six year?

3. Rick has a savings bond that will be worth \$8,220 in eight years. The interest rate of the bond is 5% that is compounded semiannually. Find the present value of the bond?

4. Jenny invested \$15,600 in a ~~sixteen-year~~ CD that pays out five percent compounded annually. What is the amount in the account after ten years?

5. Joy invested \$10,550 in a ~~two-year~~ CD that pays out six percent compounded quarterly. What is the compound interest that will be in the account after nine year?

~~X~~ Mack borrowed \$400 from Tom three months ago. Today, Benny paid Mack back \$4,000. What is the annual interest rate that Benny paid?

7. Lara has a savings bond that will be worth \$55,700 in two years. The bond has an interest rate of 8% that is compounded semi-annually. Find the present value of the bond?

8. Chris invested \$20,650 in a ~~one-year~~ CD that pays out five percent compounded annually. What is the amount after fifteen years?

9. Alana invested \$20,000 in a ~~one-year~~ CD that pays out two percent compounded quarterly. Find the interest after ten years.

10. Mark invested \$11,270 in a ~~two-year~~ CD that pays out six percent compounded annually. What is the amount after fifteen years?



