

Name _____

Date _____

Logarithm Word Problems - Matching Worksheet

Write the letter of the answer that matches the problem.

- _____ 1. Emily is running her own business on a low level. She wants to invest \$2,500 and gets 5.5% interest compounded monthly for 1 year. How much is her \$2,500 worth after 1 year? a. 7.63%
- _____ 2. Five years ago Matthew wanted to start a school. He borrowed \$450 from Nicholas. Today, Matthew paid Nicholas back \$650. What is the annual interest rate that Matthew paid? b. \$56,856.13
- _____ 3. Alexis mortgage of \$15,000 is at an interest rate of 6% that is compounded annually for 4 years. What total did Alexis pay after 4 years? c. 6.67%
- _____ 4. Jessica has a savings bond that will be worth \$86,000 in seven years. The bond has an interest rate of 6% that is compounded every six months. What is the value of the bond? d. \$2641.02
- _____ 5. Brianna has a savings account that will be worth \$96,250 in two years. The account has an interest rate of 7.5% that is compounded every six months. What is the value of the account? e. \$18,937.15
- _____ 6. Five years ago Zachary wanted to buy a house. He borrowed \$1,050 from John. Today, Zachary paid John back \$1,450. What is the annual interest rate that Zachary paid? f. \$83,070.79
- _____ 7. Abigail is a house wife. She wants to invest \$800 and gets 4.5% interest compounded monthly for 1 year. How much is her \$800 worth after 1 year? g. \$836.75

