Pre-Calc Unit 3 Quiz 1

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_

*Level 2: Graph and Identify Domain and Range*





D: \_\_\_\_\_\_ R: \_\_\_\_\_\_ D: \_\_\_\_\_\_ R: \_\_\_\_\_\_   
   
3.) 4

D: \_\_\_\_\_\_ R: \_\_\_\_\_\_ D: \_\_\_\_\_\_ R: \_\_\_\_\_\_

*Level 3: Evaluate for x.*

5. \_\_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_

8. \_\_\_\_\_\_\_\_\_\_\_

*Level 4 Write and Equation and Solve the following.*

1. The equation for compound interest (A) is modeled:  
   , where P is your initial deposit, r is the rate (written as a decimal), n is the number of compounds per year and t is the amount of years. If you initially depots $800 in an account that yields 6% interest and is compounded every month, how many years (rounded to 1 or 2 decimal places) will it take have $5,000 in your account assuming you make no further deposits or withdrawals.