Name_____

# Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:
NOTE: Interest Compounded Semi Annually

1. You take out a loan for $882 at an interest rate of 10% compounded semiannually for seven years. What is the total amount that you will have at the end of the seven years?

2. How long must $415 be invested at a rate of 6% compounded semiannually to earn $291.51 in interest?

3. Your final balance on an investment of $749 invested at 7% compounded semiannually was $920.71. For what period of time did you invest?

4. If you take out a loan that costs $58.71 over two years at an interest rate of 7% compounded semiannually, how much was the loan for?

5. At what rate was an investment made that obtains $492.32 in interest compounded semiannually on $350 over nine years?

6. You invested $200 and after four years the total amount of the investment was $243.68. What was the interest rate if it was compounded semiannually?

7. The cost of a loan for $881 over four years is $279.11 compounded semiannually. What was the rate on the loan?

8. How long must $536 be invested at a rate of 5% compounded semiannually to earn $117.06 in interest?

9. If you borrow $103 for eight years at an interest rate of 5% compounded semiannually, how much interest will you pay?

10. If you received $59.45 on $470 invested at a rate of 3% compounded semiannually, for how long did you invest the principal?

Name_____

# Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:
NOTE: Interest Compounded Semi Annually

1. You take out a loan for $882 at an interest rate of 10% compounded semiannually for seven years. What is the total amount that you will have at the end of the seven years?

   $1,746.30

2. How long must $415 be invested at a rate of 6% compounded semiannually to earn $291.51 in interest?

   nine years

3. Your final balance on an investment of $749 invested at 7% compounded semiannually was $920.71. For what period of time did you invest?

   three years

4. If you take out a loan that costs $58.71 over two years at an interest rate of 7% compounded semiannually, how much was the loan for?

   $398

5. At what rate was an investment made that obtains $492.32 in interest compounded semiannually on $350 over nine years?

   10%

6. You invested $200 and after four years the total amount of the investment was $243.68. What was the interest rate if it was compounded semiannually?

   5%

7. The cost of a loan for $881 over four years is $279.11 compounded semiannually. What was the rate on the loan?

   7%

8. How long must $536 be invested at a rate of 5% compounded semiannually to earn $117.06 in interest?

   four years

9. If you borrow $103 for eight years at an interest rate of 5% compounded semiannually, how much interest will you pay?

   $49.90

10. If you received $59.45 on $470 invested at a rate of 3% compounded semiannually, for how long did you invest the principal?

    four years