Name _____   Date _____

Expressions for Exponential Functions - Independent Practice Worksheet

1. Milton borrowed $8,000 at a 2% interest rate per year, compounded semi-annually. Calculate the total amount he owed after 5 years.

2. Andrew lands an investment at $60,000 at a 9% interest rate per year, compounded semi-annually. How much money will he get back after 8 years?

3. Denial invests $2,100 at a 3% interest rate per year, compounded quarterly. Find the balance after 2 years.

4. Chris borrows $38,000 at a 5% interest rate per year, compounded semi-annually. How much money will he owe after 7 years?

5. Neal invests $5,500 at a 4% interest rate per year, compounded quarterly. How much money will he get back after 8 years?

6. Mathew banks $42,000 at 8% interest per year, compounded quarterly. How much money will he get back after 6 years?

7. Harry lends $3,000 at 4% interest per year, compounded semi-annually. How much money will he get back after 2 years?

8. Kristina borrows $25,000 at 7% interest per year, compounded semi-annually. Calculate the amount she will pay to settle her debt after 4 years.

9. David invests $30,500 at a 3% interest per year, compounded semi-annually. Find the balance after 12 years.

10. Garrison borrowed $26,000 at 5% interest per year, compounded semi-annually. If he were to pay off the loan after 10 years, how much would he have paid in full?