Compound and Continuous Interest   Name: _____

1) You invested $52,400 at 6% compounded annually for 5 years. What is your total return on this investment?

2) You borrowed $10,400 for 4 years at 12.7% and the interest is compounded semi-annually. What is the total you will pay back?

3) Your investment of $5,300 earns 2.9% and is compounded weekly. How long until it is worth $20,000?

4) You invested $100 at 8.2% compounded continuously for 7 years. How much will your $100 be worth in 7 years?

5) Your investment of $18,100 is at 13.6% compounded monthly. How long until the investment is doubled?

6) You invested your inheritance of $15,000 into a continuously compounded savings account for 20 years? How much is in the savings account at the end if the interest rate is 6.5%?

7) Complete the following table for investing $10,000 into a quarterly-compounding account.

		Interest Rate			
		4%	8%	12%	16%
Years	10 years				
	20 years				
	30 years				
	40 years				
	50 years				