Workshop #2

Due: July 19th, **2011**

Naı	me:						
1.	Wendy is trying to save up money for her daughter's first car. Her savings account earns 2.5% interest (compounded monthly).						
	(a) If Wendy deposits \$100 a month into her account, how long will it take her to save up \$7,500 to put towards the car? [Remember to round up to the next whole period.]						
	years and months						
	Enter the Excel command(s) you used to find your answer:						
	(b) Wendy's last deposit doesn't need to be a full \$100, find the amount of her final (partial) deposit						
	Enter the Excel command(s) you used to find your answer:						
	(c) Suppose Wendy deposits \$100 a month for 4 years and then quits saving and lets the money stay in the account an additional 3 years. How much will be in the account at the end of 7 years?						
	Enter the Excel command(s) you used to find your answer:						
2.	Carl won the lottery. He will be paid \$50,000 a year for 20 years (at the beginning of each year) If the lottery plans to withdraw this money from a secure investment which earns 5% compounded annually, how much do they need in their account to cover Carl's winnings?						
	Enter the Excel command(s) you used to find your answer:						
3.	If your "friend" loans you \$5,000 and makes you pay him \$250 a month for 3 years, what interest rate are you being charged (compounded monthly)? [Show at least 3 decimal places: XXX.XXX%]						
	Enter the Excel command(s) you used to find your answer:						

			_			nd took out a 3	0 year	
(a)	What is their down payment?							
	What did they borrow?							
	What is their monthly payment?							
(b)	How much interest will interest will they pay during their first year?							
(c) Fill out the following table:								
	Month	Beg. Balance	Payment	Interest	Amt. to Principal	End Balance		
	60							
	61							
(d)	refinance	the balance at	2% compound	ded monthly t	<u> </u>			
(e)	`	(Back to the original loan.) If the family pays \$10,000 a month, how long would it take them to pay off his house? What would their final (partial) payment be?						
		It wou	ıld take		_ years and	m	onths.	
Their last payment would be \$								
	(a) (b) (c) (d)	(a) What is What die What is (b) How muce (c) Fill out to Month 60 61 (d) 10 years refinance negotiate (e) (Back to	(a) What is their down payn What did they borrow? What is their monthly payn (b) How much interest will in (c) Fill out the following tab Month Beg. Balance 60 61 (d) 10 years into the loan, the refinance the balance at negotiators.) What is the following table of the pay off his house? What is the following table of the pay off his house?	(a) What is their down payment? What did they borrow? What is their monthly payment? (b) How much interest will interest will the (c) Fill out the following table: Month Beg. Balance Payment	mortgage with a 4.25% interest rate (compounded month (a) What is their down payment?	mortgage with a 4.25% interest rate (compounded monthly). (a) What is their down payment?	(a) What is their down payment? What did they borrow? What is their monthly payment? (b) How much interest will interest will they pay during their first year? (c) Fill out the following table: Month Beg. Balance Payment Interest Amt. to Principal End Balance 60 61 61 61 61 61 61 61	