EXAM REVIEW

CHAPTER 8: Financial Problems Involving Exponential Functions

1. Complete the table (to the nearest penny).

Prinicpal ($)	***Annual Interest Rate (%)***	***Time***	***Simple Interest Paid ($)***	***Amount***
400	7.25	5 years		
	$3\frac{3}{4}\%$	13 months	328.99	
	5.5		180.00	940.60

2. Kurtis earned $279.40 in simple interest by investing a principal of $400 in a Treasury bill. If the interest rate was 3.35%/a, for how many years did he have his investment?

3. Complete the table (correct to 2 decimal places).

Prinicpal ($)	***Annual Interest Rate (%)***	***Years Invested***	***Compounding Period***	***Amount ($)***	***Interest Earned ($)***
350	2.75	10	monthly		
2500	8.5	2	semi-annually		
	$2\frac{1}{4}\%$	7	annually	315.50	
12 000		7	weekly	15 053.88	

4. Calculate the amount you would end up with if you invested $2500 at $4\frac{1}{2}\%$/a compounded semi-annually for 8 years?

5. Johnny borrowed money from a friend. The interest rate was 5.75%/a compounded monthly. If Johnny will repay $5667 over the next 6 years. How much money did Johnny borrow?

EXTRA QUESTIONS – Chapter 8 p. 526 #9,10