Geo Chj	ometry, Measurement and Fin p. 3 Test – Financial Services	nance 10	Name	Name:			
<i>I</i> =	$= \Pr t \qquad \qquad A = P -$	+ I	Î	Puls of 77	72		
A	$= P \left(1 + \frac{r}{n} \right)^{nt} \qquad I = A - I$	P P	r t	Kule Oj 72	 Rate		
PART A – Multiple Choice (12 Marks) Circle the letter corresponding to the correct solution.							
1. Which of the following must be done at a bank with a teller?							
[A]	withdraw money	[B] transfer money	[C] bill payme	ents	[D] exchange money		
2. Mr. Hallihan's credit card statement last month showed that he owed \$538.45. What is the minimum payment ?							
[A]	\$10.77	[B] \$26.92	[C] \$53.85		[D] \$134.61		
3. K.C. takes out a loan of \$32 775 for a term of 5 years. If she pays monthly payments of \$586.05, how much finance charge will be paid on the loan over the 5 years?							
[A]	not enough information	[B] \$2388.00	[C] \$2930.25		[D] \$35 163.00		
4. Pat invests \$750 at 4%/a compounded semi-annually . How much will his investment be worth after 2 years ?							
[A]	\$811.82	[B] \$877.39	[C] \$780.30		[D] \$810.00		
5. Kelly borrowed \$1200 at a rate of 8 % / year and was charged \$144 simple interest. What was the term of her loan?							
[A]	0.5 years	[B] 1 year	[C] 1.5 years		[D] 2 years		
6. What is the simple interest on a loan of \$1875 for 40 weeks at 9.5% interest?							
[A]	\$137.02	[B] \$593.75	[C] \$142.50		[D] \$1370.19		
7. A payday loan store charged \$10 interest for a loan of \$150. If you paid back the \$150 after 14 days, what was the annual interest rate on this loan?							
[A]	6.7 %	[B] 18.5 %	[C] 93.3 %		[D] 174 %		
8. Which interest period gives the least return for one year of compound interest at 4 %/a?							
[A]	weekly	[B] monthly	[C] quarterly		[D] semi-annually		
9. '	With a cash advance, the intere	st is					
[A]	calculated daily from the with	drawal date	[B] calculated monthly	from the withdrawal	date.		
[C]	calculated daily on the balance	e owing after 30 days.	[D] calculated monthly	on the balance owin	g after 30 days.		
10. On January 1, Mr. Hallihan withdraws \$950 cash from his BMO credit card. This transaction appeared on his January 17 monthly statement but he did not pay off this amount until January 23. If his card has a cash advance rate of 11.5 % per year, how much interest would be charged?							
[A]	\$9.28	[B] \$6.88	[C] \$5.09		[D] \$2.39		
11. How long will it take an investment of \$800 to double in value with an interest rate of 4 %/year compounded annually?							
[A]	12 years	[B] 12.5 years	[C] 18 years		[D] 24 years		
12.	12. Janna invests \$800 into a Canada Savings bond that pays 2.2 % simple interest. How much will the investment be worth after 10 years?						
[A]	\$176	[B] \$944.49	[C] \$976		[D] \$2560		

1. Rodney borrows \$3500 from his uncle to purchase a used car. He agrees to repay the money in three years time at an interest rate of 8%/a **simple interest**, how much will he owe his uncle in three years? [2]

Amount Owed = \$_____

b) If his uncle had charged 8%/a **compounded semi-annually**, what would he owe to repay the loan after three years? [2]

Amount Owed= \$_____

2. Some lucky Miramichier won \$3 500 000 on the Saturday night Lotto 649 draw.
a) If this person chose to invest the entire amount at 3.5%/a compounded monthly for 1 year, how much would their winnings be worth at the end of the year?

Amount = \$_____

b) How much interest would they earn after one year from the above investment?

Interest = \$_____

c) If the \$3 500 000 winnings were invested at 4%/a **compounded quarterly**, how much money would they have in 9 months time? [2]

Amount = \$_____

d) How much money would this \$3 500 000 earn in two weeks if invested at 3%/a simple interest?

[2]

Interest = \$_____

[1]

[2]

4.	On January 2, Anita Paysanta withdraws \$500 cash on her statement issued January 15. Anita does not pay off this a is 19 % per annum. Assuming that this is her only activit a) Determine the minimum payment on the January 15 th	credit card. This withdrawal appears on her monthly nount until January 22. Her credit card company's simple interest rate y on the credit card [4] statement. b) Determine the total interest paid on January 22 nd .			
	Minimum Payment = \$	Total Interest = \$			
5.	 5. "Lainey the Loan Shark" has agreed to lend you \$4850 to purchase a ice cream stand that will be used as a summer business. The loan must be repaid in two years. She provides two options to repay the loan OPTION A: 34%/a simple interest OPTION B: 27%/a compounded quarterly 				
a) b)	Determine how much interest will be charged with each of Which option is cheaper , and by how much?	ption. [5] [1]			
	OPTION A	OPTION B			
	Interest = \$	Interest = \$			
	Cheaper Option:	By How Much? \$			
6.	Using your loan payment table, determine(i) the month	y payment (ii) total amount paid (iii) the finance charge			
a)	Malia is going to take out a loan of \$6250 to purchase a 26' Sharpe Canoe in Restigouche. The bank gives her a rate of 6.5 % per year and she plans to pay it off in 3 years. [3				
Μ	fonthly Payment = \$ Total Amount Pa	d = \$ Finance Charge = \$			
b)	Shaylin buys a new 2016 Arctic Cat 700 ATV for \$10 599 rate of 8 %/a over 5 years.	plus HST. She has decided to finance with Patterson's sales with a [4]			
М	fonthly Payment = \$ Total Amount Pa	d = \$ Finance Charge = \$			
7.	Ima Broke wants to open a bank account at the Scotiabank transactions. The bank charges \$0.50 for each additional s There is also a monthly fee of \$9.75. What was the total b - she made 12 withdrawals from a Scotiabank ATM - she pays her mobile phone, satellite and power bill - she deposited \$200 to a Scotiabank ATM - she exchanged \$550 CAD into US Dollars.	She chooses the Value account which gives her 10 free self-service elf-service transaction and \$1.00 for all teller transactions. anking fee for the month given the following transactions? [3] s online.			