	1)			1-100	60/115	Value	12.5		
Name	: Kei		Cla	ss:		Date:	38	219.4	ID: A
nan	cial Algebra (Chapter 4	Review	nghas da be Legistrika					renew operants. V
1.	The ending be periodic rate					the average	daily balar	nce was \$825,	and the monthly
				= 41	The state of the s	k			
2.	Billy borrowe	ed \$30,000	for a car fo		an APR of		at will his r	monthly payme	ent be?
	141-		12 /1	1	21	/(1+	12) 12.10)	352.20
3.	What is the to $M = (100)$	otal interest	on a five-y	year 5.2% loa 1+ 052 12	n with a pr	incipal of \$		In 5) .\	\$189.63 = 6
4.	Caden found a car he wants to buy that costs \$25,000. He can afford to pay \$350 a month for the car. His bank offers him a car loan of 7.3%. What should the length of the loan be? $t = \ln \left(\frac{350}{25000}\right) - \left(\ln \left(\frac{250}{25000}\right) - \frac{073}{2}\right)$								
5.	Use the summ	nary section	of the mo	nthly credit of		ent below to	calculate t	he finance cha	arge.
	SUMMARY	Previous Balance	Payments / Credits	Transactions \$110.00	Late Charge \$0.00	Finance Charge	New Balance	Minimum Payment \$40.00	
		\$750.00	\$70.00	\$110.00	Average Daily	# Days in Billing	APR	Monthly Periodic	
					\$805.00	Cycle 30	15%	1.25%	nonco lauger ad
	a. \$33.54b. \$12.98			(\$10.06 d. \$9.38	an application	(805.0	0). (012	5)=10.062
						1			
6.	must pay the the last mont	ths. Jerry n balance in	nust make a full before	a minimum pothe 18 month charges?	ayment of S	\$75 a monthed. If he pay	n. To avoid	a retroactive A	nterest for LPR of 21%, he nuch should he pay
(a. \$1,350 b. \$1,425				c. \$1,500 d. \$2,075		17 of 4	75	last credit card in be the finance cla A \$19.69 be\\$220.25

- 7. Mantago wants to borrow \$10,000 to buy a used car. He examined his budget and decides that he can afford a payment of \$200 a month. If his bank offers him an APR of 7.5%, how long should he borrow the money so he can afford his monthly payment?
 - a. 3.5 years
 - b. 4 years

e.	4.5 years
(d.)	5 years

1-1200	1	1, 1	200	1
In(1000	0)-(in	10000	1

8. Lisa made this spreadsheet to compare her options when she decided to purchase a living room set on an installment plan.

	Α	В	C	D	E	F
1	Purchase Price	Down Payment	Monthly Payment	Time in Months	Total of Payments	Finance Charges
2	\$2,300.00	\$200.00	\$125.00	24	\$3,000.00	\$
3	\$1,700.00	\$200.00	\$100.00	18	\$1,800.00	\$
4	\$2,500.00	\$200.00	\$140.00	20	\$2,800.00	\$

What spreadsheet formula should she input into F2?

E2 - A2 - B2

c. E2 - A2

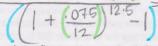
b. A2 - E2 + B2

- A2 + E2
- 9. Isabella wants to purchase a new refrigerator. When she applies for an installment loan at the appliance store, her loan application is turned down. What consumer law says that a lender must give her the reason, in writing, that she was denied the loan?
 - a. Truth-in-Lending Act
- b. Equal Opportunity Act
- Fair Debt Collection Practices Act
- 10. Dr. Drake is thinking about retirement and decides to sail around the world once he retires. He buys a sailboat for \$125,000. He borrows the money at an APR of 7.5% for five years. What will his total interest be?
 - a. \$46,875.30

b. \$36,875.40

\$25,284.61) M= (125000) \$17,388.80

>M=2504.74.60 =150284 - 125000



- 11. Lucy and Ricky Ricardo do not pay their credit card in full each month, so they incur finance charges. On their last credit card statement, the average daily balance is \$900 and the monthly periodic rate is 2.25%. What should be the finance charge on the statement?
 - \$19.69 \$20.25

- c. \$87.50
- d. \$196.88

(0225)

1/4	M=(10000 (115) (1+(115) 12.5)
Name	Two consumers borrowed \$10,000 for five years. Bob has a credit score of 650 and has an interest with \$11.500
O ^{12.}	while Tyree has a credit score of 710 and has an interest rate of 8.0%. What will be the total difference between what the two men pay?
	a. \$1,030.20 b. \$2,165.40 c. \$2,195.60 d. \$3,195.80 Bob 13195, 20
	Tyree 12165.83
Final A	Rick carries a balance on his credit card each month. Today is the first day of the new, 28-day billing cycle. The current balance is \$2,360 and the APR is 21%. Rick is buying a friend an expensive gift that costs \$1,500 that he plans to put on his credit card. This will be his only purchase this month. How much in finance charges can he save by making the purchase on the last day of the billing cycle versus the first day of the billing cycle?
14.	28 days of 2360+1500 = 3860 (21) 27 of 2360+1 of 3860 2413, 57 Trey is taking out a loan for \$85,000. It is a 20-year loan with an APP of 5 850 When will in the control of the control o
15.	be? $M = 85000 \left(\frac{.0585}{12} \right) \left(\frac{1}{12} \right) \left(\frac{.0585}{12} \right) \left($
0	\$150
16.	Miriam and Dave want to borrow \$25,000 to put an addition on their house. They went over their budget, and they can afford to pay \$450 a month. If the bank offers them a home improvement loan with an APR of 6.3%, what should the length of the loan be so they can afford the monthly payments? $t = \ln\left(\frac{450}{25000}\right) - \left(\ln\left(\frac{450}{25000}\right) - \frac{003}{12}\right) / 12\ln\left(1 + \frac{003}{12}\right) = 5.5$ Juhee carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries and carries a halance on her credit and such mostly Living in the carries a halance on her credit and such mostly Living in the carries and carries and carries and carries a halance on her credit and carries are carries are carries are carries are carries and c
17.	Juhee carries a balance on her credit card each month. In May, she decides she wants to use her card to buy a new graphing calculator. What part of the month would accrue the most in finance charges? Why?
	The beginning because the Average Daily Balance
18.	Jamal is going to borrow \$14,000 from his credit union to buy a used car. The APR is 7.0% and the length of the loan is 4 years. How much will Jamal pay in interest?
	$M = 14000 \left(\frac{.07}{12}\right) \left(1 + \frac{.07}{12}\right)^{12.4}$
	- 335 05 110
	$\left(\left(1+\frac{.07}{12}\right)^{12.4}\right) = 16091.88$
0	-14000
	3 \$2091.87